

Catalog 271 February 2007

42 New & Expanded **Major Manufacturers!**

SEMICONDUCTORS 2

Atmel

Microchip

Avago

Micron

Cypress

NXP/Philips

Dallas

Renesas

Fairchild

SanDisk

Intel

Siliconix

Intersil

ST Micro

Lumex

Texas Instruments

Lumileds

Maxim

Toshiba

Vishay

PASSIVES

Aavid

Condor

AlcoSwitch

CTS

AMP

Elco

Amphenol

Grayhill

Aromat

Keystone

Augat

Molex

AVX

Panasonic

Bourns

Power-One

Buchanan

Raychem

C&K

Tyco

Comair Rotron

Wakefield

1-800-831-4242 www.jameco.com

Faster Expansion than Any Other Catalog Distributor!

The Best Reasons to Shop Jameco!

- ✓ Over 99% of Catalog Products Are in Stock and Ship the Same Day
- ✓ We Guarantee the Lowest Prices!
- ✓ Real Choice: Name Brands and Money-Saving Jameco Brands
- ✓ Over 200,000 Cross References on Our Web Site

New & Expanded Manufacturers

Aavid	Elco	Philips
AlcoSwitch	Extech	Power-One
AMP	Fairchild	Raychem
Amphenol	Grayhill	Renesas
Atmel	Intel	RipTie
Augat	Intersil	SanDisk
Avago	Keystone	Siliconix
AVX	Littelfuse	STMicro
Bourns	Lumileds	Texas
Buchanan	Lumix	Instruments
C&K	Maxim	Toshiba
ComairRotron	Microchip	Tyco
Condor	Micron	Vishay
CTS	Molex	Wakefield
Cypress	ON Semi	
Dallas	Panasonic	

RoHS Compliant Products

Over 80% of the products in this catalog are available in RoHS compliant versions for those shipping product to the European Union!

Products are coded for your convenience. RoHS compliant products are marked with the \mathbb{R} . Many other products have a \bigoplus to indicate both compliant and non-compliant versions are available. Simply add an \mathbb{R} to the beginning of the non-compliant Part Number shown and you'll get the RoHS equivalent product at the best available market price.

Need more RoHS information? Visit our web site at <u>www.Jameco.com/RoHS</u>.

Great Reasons to Buy from Jameco!

Highest In-stock Availability

Our history shows 99+% of the orders placed from this catalog will be shipped out the same day! We're not perfect, and we're sorry when we let a customer down. But none of our major competitors can come close to making this claim.

In Stock Of Always



The Best Prices

Being competitive is very important to our product marketing team. That's why they spend a tremendous amount of time and resources researching other cataloger's pricing to make sure we can live up to our much-talked-about low-price guarantee.

Simply stated, if you find a lower print-advertised price for a product, let us know. We'll offer you that product for 10% less than their price, right down to our cost!

Dedicated Account Representatives

When you're placing orders on a regular basis, it's nice to have the same person represent you whenever you shop. At Jameco, we assign account representatives to assist regular buyers. And unlike other distributors, we offer this service to anyone

needing an assigned representative to assist in regular purchases.



Products Easily Found on Web Site

All the products in this catalog and 10's of thousands of others are available to you on our web site at www.Jameco.com. Simply enter the manufacturer's part numbers

you need in the top left search box on the home page and click on the link labeled Mfg #. Our web site will locate the product you're looking for and provide you with our renowned pricing and quantity breaks.

New Web Search Capabilities!

Our search engine has been updated, allowing you to request specific manufacturer part numbers, a Jameco SKU number or a keyword cross-reference.

Mfg

To search by manufacturer number, just enter the number in the text box shown on the left and click on Mfg #. Jameco's web site will display all matching products we offer, regardless of manufacturer. Enter a portion of the part number and you'll get all the devices that contain that text.

Keyword

To find products containing a specific keyword, simply enter the text and click on Keyword. This search will also return applicable cross references.

Catalog

Looking for a specific SKU from Jameco's catalog? Simply enter the number into the text box and click on Catalog #. Jameco's web site will return the exact Manufacturer and Part Number referred to in the catalog.



Featured Products



During the last quarter of 2006, we added **over 65,000 new products** from 42 top-tier name-brand manufacturers to our website. We believe this to be the fastest expansion for any electronic component distributor in the US.

In 2007, we'll continue to push ourselves to the limits every day to bring you the **best selection** of needed products, at the **best prices** and with the

best service levels available. We'll continue to make huge, frequent additions to our web site. And just like this last quarter, we'll continue to expand each catalog's product line by about 15-20% each quarter.

We're focused on the brands you have told us you need the most. Names like Atmel, T.I., AVX, Comair Rotron, Dallas, Fairchild, Freescale, Grayhill, Maxim, Molex, National, Panasonic, Power-One, SanDisk, ST Micro, Tyco and many others.

Plus, our product managers are focused on **the actual products you need most**. Unlike other distributors who bring in an entire manufacturer's product selection, whether you're interested in all of them or not, Jameco product managers make the extra effort to add only those product lines which make sense for our customers. As a result, you get an easier-to-read catalog with less chaff products. And if you want something beyond

what's offered in our catalog, check out our website for 10's of thousands of additional products.

Porls Crosh

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act Information

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The Jameco RobotStore
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Prices are effective 01-08-07.
Prices and discounts are subject to change without notice.

PRICES

Over 200 New Atmel Products

Now Jameco offers more of the leading microcontrollers, memory and PLD products from Atmel's advanced offering. Be sure to check these great new additions!

- 16LV, 16V, 20V & 22V Programmable Logic Devices
- AT24C Series 2-Wire Serial EEPROM
- AT28 Series Parallel EEPROM
- AT29 Series 5V Flash Memory
- AT45 Series DataFlash® Serial Flash
- AT80C & AT89C Microcontroller Families
- AT93C46 3-wire Serial EEPROM

See pages 5, 11-16 & 25 for complete selection.



Over 350 AMP/Tyco Products Added!

Jameco just added hundreds of new products to this catalog, including the AMPMODU interconnection system, the AMP-LatchTM IDC ribbon cable connectors and the MTA 100 IDC connectors. Each family offers unique precision-formed contacts for greater tolerance.



See pages 114-162 for complete selection.

Now From Fairchild Semiconductor!

Now you can find some of the most popular 3.3V logic devices at Jameco! Plus we just added the NC7S TinyLogic® Ultra High Speed family for your demanding requirements.

- 74LCX, 74LVT & 74LVX 3.3V Logic Families
- 74VHC Logic Family
- NC7S Ultra High Speed Series of TinyLogic®



See pages 21-35 for complete selection.

New! Dallas Semiconductor

Iameco now carries more of the Dallas Semiconductor line of Real Time Clocks in traditional 5V and Low-Voltage 3.3V configurations. Turn to page 26 for a wide selection of devices with and without RAM and crystals in DIP and various surface mount packages.



See pages 6, 23 & 26 for complete selection.

Opto Products!

You can now purchase Lite-On LEDs, Displays and Opto-isolators from Jameco! We just added the following lines to this catalog, and you'll find more products on our web site!

- LTC, LTD & LTS 7-segment Displays
- LTL 3 5mm LED Lamps
- LTE Infrared LEDs



See pages 41-42 & 51-52 for complete selection.

Now Available: Lite-On

• LTV Series Opto-Isolators

New SchmartBoard Proto Boards

The SchmartBoard system is a fast and easy electronic circuit prototyping system that supports through-hole and surface mount components. SchmartBoard is the only prototyping system that you can work on one circuit block at a time, test the blocks individually, and then physically connect the blocks together.



See page 329 for complete selection.



#1 in the Industry!

Over 99% of this catalog's products are in stock, so you can rest assured there will be no delays. We believe this service level is unmatched by anyone in the industry



When you shop at

Jameco, you're assured your products get to you faster! For starters, you can place your order with a live person, any time of day or night. And yes, we're there 24/7/365 to take your order by phone, fax, web or email, whichever is most convenient for you!

Place an order for any in-stock item in this catalog before 6 PM EST and we'll ship it out the same day! No questions asked, and no priority charges.



For years, Jameco has offered a solid price guarantee that no one seems to dispute. Why don't the other electronic components catalogers challenge it? We think because

they can't; the Jameco price guarantee is just that good! Simply stated, Jameco has the lowest prices you'll find in any catalog or advertisement—period.

So if you ever run into a print-advertised price that's lower than an identical item in our catalog, we'll not only match the lower price, we'll beat it by an additional 10%, right down to our cost. No fine print, and no questions asked!

In addition to offering popular name brands at the lowest prices for BOMs and AVLs that require them, we also offer in-house brands. We offer professional-grade Jameco house brands of non-semiconductor products at substantially reduced prices; typically 20-30% below popular name brands. These in-house brands offer a substantial savings versus the name brands, so you've got a real choice in product prices.



Jameco makes comparisons easier too! We offer side-by-side listings, allowing you to compare like products on the same catalog page.



Over 400 Panasonic Products Added!

Jameco has also added over 400 Panasonic products to this catalog alone! Check out these popular families today!

- ECE VS series Aluminum Electrolytic Caps
- ERJ Thick Film Chip Resistors
- EXB Chip Resistor Arrays
- ERZ "ZNR" Transient/Surge Absorbers
- Relays: AGN, DS2E H, J and T Series

Panasonic[®]





See pages 67, 76-77, 80 & 198-200 for selection.

New! TI 74LVT and 74ABT Series Logic

Now Jameco offers you Texas Instruments' SN74LVTH Mixed-Mode Voltage and SN74ABT BiCMOS logic devices. The SN75LVTH devices are designed specifically for low-voltage (3.3V) VCC operation, but have the capability to provide a TTL interface to a 5V system environment.



See pages 18 & 21-22 for complete selection.

Just Added! Microchip Memory Devices

Jameco just added Microchip's EEPROM devices to the catalog and hundreds more are on our web site. Be sure to check out the great products below.

- 24LC Series Serial EEPROM
- 93LC Series Serial EEPROM



See pages 12-13 for complete selection.

500 New Freescale/ON Semi Products

Jameco recently expanded it's line of Motorola/Freescale/ON Semi products on the web site, and now we're adding a select few to the catalog. Be sure to check out the following offering in this catalog.

- MBR Series Schottky Power Rectifiers
- MC10 & MC100 Series ECL Devices
- MC14 & MC145 Series CMOS
- MC68HC Family MCUs
- MC78 & MC79 Series Voltage Regulators
- MR & MUR Series Std & Ultrafast Rectifiers

See pages 6-7,19-28, 32 & 38-39 for complete selection.

Just Added! Maxim Semis

Maxim is renowned for their unique single-rail RS-232 level converters. These +5V supplied devices provide standard ±15V outputs to maximize signal-to-noise ratios and keep reliability high. Be sure to turn to pages 23-24 to find over 80 new transmitters, receivers and transceivers.



See pages 23-24 for complete selection.

600 New AVX Products

Jameco now offers thousands of AVX products on our web site. And in this catalog, we just added about 600 NPO, X5R, X7R, Y5V and Z5U surface mount capacitors. Our selection has never been larger!





See pages 66-72 for complete selection.

New From National Semiconductor

Jameco now offers hundreds of new products from National Semiconductor. Be sure to look for the following product lines which have just been added to this catalog.

- DS14C Series RS-232 Transceivers
- DS26/DS34 Differential Line Transceivers
- DS90 High-speed LVDS Drivers/Receivers
- LM Series Amplifiers



See pages 23-29 for complete selection.

New! NXP/Philips Microcontrollers

Now Jameco offers more of the P80C, P87C and P89C families of microcontrollers you use every day! Plus, we've also added a selection of their PCA95 I²C specialty devices.





See pages 8, 31 & 329 for complete selection.

More Extech Instruments

Jameco just added more instruments from one of the largest suppliers worldwide. Flip through pages 272-275 and check out the array of DMMs and unique special purpose instruments Jameco now offers.





See pages 282-283 for complete selection.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Index Signature PIC Microcontroller

For more Microchip Microcontroller visit www.Jameco.com

IC Index			MICROCHIP PIC Mici		
Product Line	Page #	Part No.	Product No.	Pkg.	
4000-CMOS Logic	18-19,35	145111	PIC16F84-04/P⊕	DIP-	
5000 Series Processors		145111	PIC16F84-10/P⊕	DIP-	
6800/68000 Series	7	223790	PIC12F629-I/P⊕	DIP-8	
7400	20-21,35,209	223790	PIC12F675-I/P⊕	DIP-8	
74ABT74ALS		312514	PIC12F683-I/P⊕	DIP-8	
74C	21			DIP-	
74HC		323096	PIC16F505-I/P⊕		
74HCT		312531	PIC16F54-I/P⊕	DIP-	
74LS	17-18,35,209	193439	PIC16F627-20/P⊕	DIP-	
74LVT74LVTH		193447	PIC16F628-20/P⊕	٥	
74LVX	22	246756	PIC16F628-20I/P⊕		
74LVXC		223749	PIC16F630-I/P⊕	DIP-	
74S		247142	PIC16F648A-I/P⊕	DIP-	
74VHCT	22	223757	PIC16F676-I/P⊕	DIP-	
8000 Series		312590	PIC16F684-I/P⊕	DIP-	
A/D & D/A Converters		312611	PIC16F688-I/P⊕	DIP-	
Accessories		312670	PIC16F737-I/SP⊕	DIP-2	
Atmel Microcontrollers		193404	PIC16F74-I/P⊕	DIP-	
BASIC STAMP/Accessories	8,314	312717	PIC16F767-I/SO⊕	SOIC	
Buffers		312709	PIC16F767-I/SP⊕	DIP-2	
Clock Chips & Modules		193412	PIC16F76-I/SP⊕	DIP-2	
Comparators		312725	PIC16F777-I/P⊕	DIP-	
Controllers		193421	PIC16F77-I/P⊕	DIP-	
CPUs/Microcontrollers	6,8,257	223765	PIC16F818-I/P⊕	DIP-	
CPUs/Microprocessors		223773	PIC16F819-I/P⊕	DIP-	
DDR SDRAM		193332	PIC16F84A-20/P⊕	DIP-	
Decoder/Encoder Chips		246861	PIC16F84A-20I/P⊕	DIP-	
Development Kits		246895	PIC16F870-I/SP⊕	DIP-2	
Digital Potentiometers	32	246924	PIC16F871-I/P⊕	DIP-	
Digital Signal Converters		246941	PIC16F872-I/SP⊕	DIP-2	
DIMM		246975	PIC16F873A-I/SP⊕	DIP-2	
DRAM		246991	PIC16F874A-I/P⊕	DIP-	
ECL Logic		193367	PIC16F876-20/SP€	DIP-2	
EPROMs/EEPROMs	10-13	247011	PIC16F876A-I/SP⊕	DIP-2	
Flash MemoryFlash Microcontroller		176882	PIC16F877-20/P⊕	DIP-	
GALs		247046	PIC16F877A-I/L⊕	PLCC	
General Purpose I/O		247038	PIC16F877A-I/P⊕	DIP-	
Hall-Effect Sensors		247097	PIC16F87-I/P⊕	DIP-	
Index	4	312733	PIC16F88-I/P⊕	DIP-	
Interface Series		248111	PIC18F1320-I/P⊕	DIP-	
Linear Series		312303	PIC18F2525-I/SP⊕	DIP-2	
LVDS		247994	PIC18F252-I/SP⊕	DIP-2	
MC10EL Series		312400	PIC18F4220-I/P⊕	DIP-4	
MC14xxx Series		248049	PIC18F452-I/L⊕	PLCC	
Microcontrollers		248031	PIC18F452-I/P⊕	DIP-	
MPU Supervisory	23	248057	PIC18F458-I/P⊕	DIP-4	
NVRAM Op Amps		145040	PIC12C508A-04/P€		
Optoisolators		144258	PIC12C509A-04/P€		
OTP/PROM		193463	PIC12C672-04/P⊕		
PALs and GALs		247361	PIC14000-4/SP⊕		
Pentium/Processor Chips	257	128338	PIC16C54A-04/P⊕		
PIC Microcontrollers		193341	PIC16C57C-04/P⊕		
PLDs		193359	PIC16C57C-04/P⊕		
PLLs		247880	PIC17C42A-16/L⊕ 3		
Power Management		247660	PIC1/C42A-16/L ⊕ PIC16C558-20/P⊕		
RS-422/485 Drivers/Receivers	24-25	193324	PIC16C536-20/P⊕ PIC16C63A-20/SP⊕		
SDRAMSensors		ll.	PIC16C711-20/P⊕		
Servo & Stepper Motor Controller		247599			
SIMM	15	247919	PIC17C44-33/P↔		
SocketsSRAM		☐ Blue Par	t No. = Limited Quantity A	wailab	
Stepper Motor Drivers/Controllers		DIP MAR	SOIC	1	
Temperature Sensors	32		77777	2000	
Test Clips			VQFP		
UAŔTs	26				
Voice Chips			000/ 5.5		
Z80 MPUs		OVE	er 99% of Ou	ır C	

44	PIC I	VIICTOC	ontro	iiers	'	visit <u>ww</u>	vw.Jameco.com	
Dart No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM	I/O Pins 1	25
Part No. 145111	PIC16F84-04/P⊕	DIP-18	Flash	4	1k	68	13 \$6.59	\$4.39
145120	PIC16F84-10/P⊕	DIP-18	Flash	10	1k	68	13 7.09	6.49
223790	PIC12F629-I/P⊕	DIP-8	Flash	20	1k	64	6 1.49	1.25
223781	PIC12F675-I/P⊕	DIP-8	Flash	20	1k	64	6 1.69	1.07
312514	PIC12F683-I/P⊕	DIP-8	Flash	20	4k	128	6 2.19	2.05
323096	PIC16F505-I/P⊕	DIP-14	Flash	20	1k	72	12 1.65	1.49
312531	PIC16F54-I/P⊕	DIP-18	Flash	20	512	25	12 1.79	1.73
193439	PIC16F627-20/P⊕	DIP-18	Flash	20	1k	224	16 3.29	2.85
193447	PIC16F628-20/P⊕	DIP-18	Flash	20	2k	224	16 3.49	2.52
246756	PIC16F628-20I/P⊕	DIP-18	Flash	20	2k	224	16 <mark>. 4.05</mark>	3.04
223749	PIC16F630-I/P⊕	DIP-14	Flash	20	1k	64	12 1.89	1.67
247142	PIC16F648A-I/P⊕	DIP-18	Flash	20	4k	256	16 3.25	2.55
223757	PIC16F676-I/P⊕	DIP-14	Flash	20	1k	64	12 <mark>. 2.19</mark>	1.43
312590	PIC16F684-I/P⊕	DIP-14	Flash	20	2k	128	12 2.25	1.78
312611	PIC16F688-I/P⊕	DIP-14	Flash	20	4k	256	12 <mark>. 2.79</mark>	2.58
312670	PIC16F737-I/SP⊕	DIP-28	Flash	20	4k	368	25 5.39	4.65
193404	PIC16F74-I/P⊕	DIP-40	Flash	20	4k	192	8 6.19	5.47
312717	PIC16F767-I/SO⊕	SOIC-28	Flash	20	8k	368	25 6.69	5.63
312709	PIC16F767-I/SP⊕	DIP-28	Flash	20	8k	368	25 6.29	5.38
193412	PIC16F76-I/SP⊕	DIP-28	Flash	20	8k	368	5 6.49	5.65
312725	PIC16F777-I/P⊕	DIP-40	Flash	20	8k	368	36 6.55	5.89
193421	PIC16F77-I/P⊕	DIP-40	Flash	20	8k	368	8 5.25	4.79
223765	PIC16F818-I/P⊕	DIP-18	Flash	20	1k	128	16 2.75	2.36
223773	PIC16F819-I/P⊕	DIP-18	Flash	20	2k	256	16 2.85	2.29
193332	PIC16F84A-20/P⊕	DIP-18	Flash	20	1k	68	13 5.59	4.66
246861	PIC16F84A-20I/P⊕ PIC16F870-I/SP⊕		Flash	20	1k	68	13 6.25	5.55
246895 246924	PIC16F870-I/SP⊕	DIP-28 DIP-40	Flash Flash	20 20	2k 2k	128 128	22 4.35	3.05 4.25
246924	PIC16F871-I/P⊕	DIP-40	Flash	20	2k	128	33 5.15 22 4.35	3.26
246975	PIC16F873A-I/SP⊕		Flash	20	4k	192	22 6.29	5.50
246991	PIC16F874A-I/P⊕	DIP-40	Flash	20	4k	192	33 6.75	6.00
193367	PIC16F876-20/SP€		Flash	20	256	368	22 6.79	4.85
247011	PIC16F876A-I/SP⊕		Flash	20	8k	368	22 6.19	4.17
176882	PIC16F877-20/P⊕	DIP-40	Flash	20	256	368	33 9.29	8.05
247046	PIC16F877A-I/L⊕	PLCC-44	Flash	20	8k	368	33 8.15	7.59
247038	PIC16F877A-I/P⊕	DIP-40	Flash	20	8k	368	33 7.25	4.80
247097	PIC16F87-I/P⊕	DIP-18	Flash	20	4k	368	16 3.39	3.15
312733	PIC16F88-I/P⊕	DIP-18	Flash	20	7k	368	16 4.15	3.05
248111	PIC18F1320-I/P⊕	DIP-18	Flash	40	4k	256	16 4.89	4.34
312303	PIC18F2525-I/SP⊕	DIP-28	Flash	40	48k	3986	25 9.05	8.31
247994	PIC18F252-I/SP⊕	DIP-28	Flash	40	16k	1536	23 8.05	6.60
312400	PIC18F4220-I/P⊕	DIP-40	Flash	40	4k	512	36 7.15	7.05
248049	PIC18F452-I/L⊕	PLCC-44	Flash	40	16k	1536	34 10.29	9.26
248031	PIC18F452-I/P⊕	DIP-40	Flash	40	16k	1536	34 8.85	7.59
248057	PIC18F458-I/P⊕	DIP-40	Flash	40	16k	1536	34 9.25	7.05
145040	PIC12C508A-04/P€		OTP	4	512	25	5 1.49	.99
144258	PIC12C509A-04/P@		OTP	4	1k	41	5 1.49	1.09
193463	PIC12C672-04/P⊕		OTP	4	2k	128	6 2.79	2.44
247361	PIC14000-4/SP⊕		OTP	4	4k	192	22 11.99	11.45
128338	PIC16C54A-04/P⊕		OTP	4	512	25	12 2.25	2.02
193341	PIC16C57C-04/P⊕		OTP	4	2k	72	20.\$2.79 2.55	1.91
193359	PIC16C711-04/P⊕		OTP	4	1k	68	13 3.25	2.43
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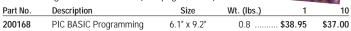
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Z80 MPUs

Part No.	Cross Ref.	Pkg.	Description	1	10	100
35561	Z80 ♣	DIP-40	2.5MHz CPU (MK3880N/780C)	\$1.39	\$1.19	\$1.09
35596	Z80A ♣	DIP-40	4MHz CPU (MK3880N-4/780C-1)	. 1.99	1.79	1.59
35609	Z80A-CTC♣	DIP-28	4MHz counter timer circuit (MK3882-4)	1.99	1.79	1.59
35625	Z80A-DART♣	DIP-40	4MHz dual asynchronous receiver/trans	3.49	3.19	2.89
35641	Z80A-PIO♣	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79	1.61
35668	Z80A-SIO/0♣	DIP-40	4MHz serial I/O (TxCB & RxCB bond.) MK3884-4	2.19	1.79	1.59
35705	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280410	Z8018006PSC€	DIP-640	Z180 MPU, MMU, DMA. UART, INTC	8.05	7.26	6.61
280428	Z8018006VSC€	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	8.05	7.26	5.08
35781	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.15	3.49	2.55
280516	Z84C0008PEC€	DIP-40	Z80 CPU with 3 mode int., 16 regs	3.35	3.05	2.28
280567	Z84C4008PEC€	DIP-40	Dual data ch. communication interface	6.59	5.60	4.20
61786	Z85C3008PSC€	DIP-40	Serial communications controller	4.99	4.57	3.92
♣ Pull = Ex	tra Savings 🛛 😝 🛭	Blue Part N	No. = Limited Quantity Available			

PIC BASIC Programming and Projects

Newnes Publications The BASIC language, is introduced from square one, with simple code used to illustrate each of the most commonly used instructions. PIC BASIC is the simplest and quickest way to get up and running - designing and building circuits using a microcontroller. (210 pages, 2001)



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43166	65C02♣	DIP-40	CPU, 8-bit, 1MHz	5.95	4.45	3.10
43254	6522♣	DIP-40	Versatile interface adapter, 1MHz	4.05	3.25	2.95
43297	6532	DIP-40	RAM I/O timer, 1MHz	7.95	6.99	6.49
43318	6551	DIP-28	Asynch. comm. interface adapter, 1MHz	3.95	3.36	2.52
♣ Dull = E	vtra Savinac					

6800/68000 N-MOS

Part No.	Cross Ref.	Pkg.	Description 1	10	100
43481	6800♣	DIP-40	CPU, 8-bit, 5V, 2MHz\$6.95	\$5.25	\$3.65
43502	6802	DIP-40	CPU, 8-bit, 5V, 1MHz 8.49	7.65	6.89
43529	6803♣	DIP-40	CPU, 8-bit, 5V, 1MHz	6.99	6.29
43537	MC6808	DIP-40	CPU, 8-bit, 7V, 1MHz8.95	8.06	7.25
43545	6809E♣	DIP-40	CPU, 8-bit, 7V, 1MHz 3.95	3.59	3.25
320590	68B09E	DIP-40	CPU, 8-bit, 7V, 2MHz3.95	3.36	2.52
43561	6810	DIP-24	SRAM, 1K-bit, 5V, 1MHz 2.95	2.65	2.39
43596	6821♣	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz 3.95	3.59	3.25
43414	68B21♣	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz 4.95	4.49	4.05
43617	6840	DIP-28	Programmable timer, 16-bit, 5V, 6MHz 2.49	2.25	1.99
43633	6850♣	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz 2.39	2.09	1.89
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25291	MC68000L10♣	DIP-64	CPU, 16-bit, 7V, 10MHz 13.45	11.49	8.59
25355	MC68701	DIP-40	MCU, 8-bit, 29 I/O, 2MHz15.95	13.95	12.55
25363	MC68705P3S	DIP-28	MCU, 8-bit, 20 I/O, 4MHz 24.95	22.95	20.65
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freescale 6800/68000 CMOS

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Part No.	Cross Ref.	Pkg.	Description 1	10	100
698664	MC68HC11A1CFN3♠	PLCC-52	MCU, 8-bit, HCMOS, 8kB ROM \dots \$12.65	\$12.22	\$11.75
698672	MC68HC11D0CFN2♠	PLCC-44	MCU, HCMOS, ROM based, 3MHz $ 5.75$	5.45	5.15
698681	MC68HC11E1CFN2♠	PLCC-52	MCU, 8-bit, 38/I/O, 2MHz 10.64	10.25	9.65
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz 8.85	7.25	6.55
248583	MC68HC11F1CFN3⊕	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz 11.39	9.18	8.27
698701	MC68HC11K1CFN4♠	PLCC-84	MCU, 768bytes RAM, 4MHz 18.15	17.61	16.99
698710	MC68HC16Z1CEH16₹♠	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 16.78MHz 20.85	19.86	18.91
698736	MC68HC16Z1CFC16♠	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 16.78MHz 20.85	19.86	18.91
698744	MC68HC16Z1CFC25♠	PQFP-132	MCU, 16-bit, 8/10-bit ADC, 25MHz 22.95	21.85	20.81
698752	MC68HC16Z1CPV16♠	LQFP-144	MCU, 16-bit, 8/10-bit ADC, 16.78MHz	16.27	15.81
698761	MC68HC16Z1CPV25♠	LQFP-144	MCU, 16-bit, 8/10-bit ADC, 25MHz 18.45	17.58	16.75
698779	MC68HC705B16NCFN♠	PLCC-52	MCU, 8-bit, 256bytes EEPROM, 3 8-bit para I/O 14.65	13.99	13.39
698787	MC68HC705C8ACFB♠	QFP-44	MCU, 8-bit HCMOS, 24 I/O (bidirectional) 9.35	8.75	8.05
248647	MC68HC705C8ACFN⊕	PLCC-44	MCU, 8-bit, 31 I/O, 4MHz 7.19	5.30	5.00
698795	MC68HC705C8ACP♠	DIP-40	MCU, 8-bit HCMOS, 24 I/O (bidirectional) 9.35	8.75	8.05
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132484	MC68HC705C8S	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	34.95	26.21
132530	MC68HC705J1ACP⊕	DIP-20	MCU, 8-bit, 14 I/O, 4MHz 2.09	1.89	1.79
698808	MC68HC705JJ7CDW♠	SOIC-20	MCU HCMOS,14 I/O,100kHz 5.19	4.89	4.59
698816	MC68HC705KJ1CDW♠	SOIC-16	MCU, 10 I/O, 4MHz 1.79	1.71	1.65
698824	MC68HC705KJ1CP♠	DIP-16	MCU, 10 I/O, 4MHz 2.49	2.19	1.89
698832	MC68HC705SR3CP♠	DIP-40	MCU, HCMOS, 8-bit, 32 I/O, 3840bytes EPROM 15.35	14.59	13.69
248575	MC68HC711E9CFN2⊕	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz 14.79	11.49	10.34
698867	MC68HC711E9CFN3♠	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 3MHz 17.25	16.89	16.39
698875	MC68HC711E9MFN2♠	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 2MHz 20.55	19.55	17.99
698841	MC68HC711E20CFN2♠	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 2MHz 23.59	22.89	22.19
698859	MC68HC711E20CFN3♠	PLCC-52	MCU HCMOS, 8-bit, 38 I/O, 3MHz 24.75	23.89	23.09
698883	MC68HC812A4CPV8♠	LQFP-112	MCU, 16-bit, 8-bit A/D, 4Kbyte EEPROM, 2MHz $$ 20.79	19.59	18.59
698891	MC68HC908AB32CFU♠	QFP-64	MCU, 8-bit, 32Kbytes flash, 51 I/O \dots 11.59	10.99	10.49
698904	MC68HC908GP32CFB♠	QFP-44	MCU, 8-bit, 32Kbytes flash, 33 I/O \dots 10.09	9.89	9.69
248356	MC68HC908GP32CP⊕€	DIP-40	MCU, 8-bit, 33 I/O, 8MHz 9.99	9.65	9.25

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6800/68000 CMOS (Cont.) CMOS visit www.Jameco.com								
Part No.	Cross Ref.	Pkg.	Description 1	10	100			
323213	MC68HC908GR8CP⊕	DIP-28	MCU, 8-bit, 21 I/O, 8MHz \$6.25	\$5.31	\$5.01			
323192	MC68HC908JK1CP⊕	DIP-20	MCU, 8-bit, 15 I/O, 8MHz 2.79	2.01	1.91			
248428	MC68HC908KX8CP	DIP-16	MCU, 8-bit, 13 I/O, 8MHz 5.35	4.85	4.65			
323221	MC68HC912B32CFU8⊕	QFP-80	MCU, 8-bit, 15 I/O, 2MHz 20.55	19.52	18.48			

8000 N-MOS

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844	8031♣	DIP-40	MCU, 8-bit, 32 I/O, 8MHz		\$3.15	\$2.80
102197	8032	DIP-40	CPU, 8-bit, 32 I/O, 12MHz		3.59	3.25
51861	8035♣	DIP-40	CPU, 8-bit, 27 I/O, 11MHz		3.59	3.25
51959	8039♣	DIP-40	CPU, 8-bit, 27 I/O, 6MHz			2.86
51983	8049♣*	DIP-40	CPU, 8-bit, 27 I/O, 6MH		1.75	1.59
51991	8051AP♣**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz		4.99	4.49
52003	8052AH**	DIP-40	MCU, 8-bit, 32 I/O, 12MHz		7.19	6.49
52046	8080A♣	DIP-40	CPU, 8-bit, 32 I/O, 1MHz		4.05	3.75
52062	8085AH ♣	DIP-40	CPU, 8-bit, 16 I/O, 3MHz		4.49	3.99
52071	8085AH-2♣	DIP-40	CPU, 8-bit, 16 I/O, 5MHz		4.99	4.49
52100	8086-2♣	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.59
52142	8088♣	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.49	2.25	1.99
52169	8088-2♣	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	5.95	5.39	4.85
34358	UPD70108-8♣	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	10.99	9.34	7.01
52290	8155	DIP-40	I/O port timer, 2K-bit, 3MHz		3.82	2.86
52302	8155-2♣	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5M		5.39	4.85
52468	8212♣	DIP-24	I/O port timer, 8-bit, 3MHz	6.49	5.99	5.49
52484	8216	DIP-16	Bi-directional bus driver	3.95	3.36	2.52
52492	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513	8228	DIP-28	System contr./bus driver	3.69	3.19	2.36
52581	8243♣	DIP-24	I/O expander	5.49	4.94	3.71
52610	8250A♣	DIP-40	UART	4.25	3.60	2.70
52644	8251�	DIP-28	USART	2.99	2.69	2.39
52652	8251A♣	DIP-28	USART	3.99	3.69	3.39
52679	8253♣	DIP-24	Prog. interval timer, 2MHz	3.19	2.89	2.59
52687	8253-5�	DIP-24	Prog. interval timer, 2MHz	4.99	4.49	3.99
52708	8254♣	DIP-24	Prog. interval timer, 8MHz	4.49	3.99	3.59
52716	8254-2♣	DIP-24	Prog. interval timer, 8MHz	7.35	6.25	4.69
52724	8255♣	DIP-40	CPU peripheral, 2MHz	4.49	3.99	3.49
52732	8255A-5♣	DIP-40	CPU peripheral, 5MHz	4.89	4.39	3.05
291805	8255AC-5.	DIP-40	CPU peripheral, 4MHz	4.89	4.39	2.89
52759	8256♣	DIP-40	UART	19.99	17.99	16.19
52775	8259♣	DIP-28	Prog. interrupt controller	1.75	1.55	1.45
52783	8259-5♣	DIP-28	Prog. interrupt controller	2.49	2.19	1.99
52839	8279♣	DIP-40	CPU peripheral, 5MHz	12.99	11.99	10.99
52847	8279-5♣	DIP-40	CPU peripheral, 5MHz	12.95	11.69	10.49
52855	8282♣	DIP-20	Octal latch bus driver	5.35	4.55	3.41
52871	8284A♣	DIP-18	Clock generator/driver, 8MHz	4.69	4.19	3.77
52898	8286	DIP-20	Octal bus transceiver	3.95	3.59	3.25
52901	8287	DIP-20	Octal bus transceiver	9.89	8.99	8.09
699624	P82B96TD ₹ ♠	SOIC-8	Dual bidirectional bus buffer	3.15	3.10	2.80
53006	8741	DIP-40	CPU peripheral, 5MHz	6.79	6.11	5.51
53014	8742	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	8.45	7.20	6.35
53022	8748 	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	13.95	12.56	11.11
53031	8748H�	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	16.25	14.78	13.25
53057	8749H 	DIP-40	CPU, 8-bit, 27 I/O, 11MHz		19.88	16.27
53081	8751H 	DIP-40	MCU, 8-bit, 32 I/O, 12MHz		20.25	18.23
53090	8755	DIP-40	EPROM with I/O		8.09	7.29
699616	P82B715TD ₹ ♠	DIP-8	I ² C bus extender		2.91	2.82
			high to bypass the internal ROM to			

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

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P87C51FA-4N ₹ ♠

P87C51RB+4A ₹ ♠

P87C51SBAA♠

P87C51SBPN

♣

P87C52SBAA₹♠

P87C52SFAA ₹ ♠

P87C52UBAA♠

P87C52UBPN

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PARALAX A 50MIPS SX Microcontroller

Part No.	Parallax No.	Description	1	10	10
162931	SX28AC/DP⊕	DIP-28 50MIPS SX microcontroller \$4	.99	\$4.89	\$4.7

PARALIAX R

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- Microcontroller: PIC16C57
- Program speed: 4000/sec.
- # of I/O pins: 16 + 2 serial
- RAM: 32 bytes
- Volts required: 5-15VDC · Package: 24-pin DIP

Size: 1.2"L x 0.6"W

See page 255 for Serial LCD Modules

184920

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Part No.	Parallax No. 1	10
130892	BS2-IC⊕\$48.95	\$43.95

8000 CMOS

Part No.	Cross Ref.	Pkg.	Description 1	10	100
51676	80C31♣	DIP-40	MCU, 8-bit, 32 I/O, 24MHz\$2.99	\$2.42	\$1.45
108804	80C32-1♣	DIP-40	MCU, 8-bit, 32 I/O, 12MHz 4.49	3.85	2.89
51692	80C39♣	DIP-40	MCU, 8-bit, 27 I/O, 11MHz 3.59	3.23	2.91
125647	80C52BASIC⊕	DIP-40	MCU, 8-bit, 32 I/O, 12MHz 32.75	29.47	26.51
51705	80C85A-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	6.55	5.85
52193	81C55♣	DIP-40	I/O port timer, 2K-bit, 3MHz 4.49	3.59	3.19
52370	82C51A♣	DIP-28	USART	3.40	2.95
52388	82C53-5	DIP-24	Prog. interval timer, 8MHz	3.60	2.75
52396	82C54	DIP-24	Prog. interval timer, 8MHz\$3.95 3.05	2.60	1.95
52409	82C54-2	DIP-24	Prog. interval timer, 10MHz 4.49	4.05	3.59
52417	82C55A	DIP-40	CPU peripheral, 5MHz 4.99	4.49	3.99
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz 4.49	3.99	3.49
52978	87C514	DIP-40	MCU, 8-bit, 32 I/O, 33MHz 21.99	19.79	17.49
196120	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz 5.09	4.62	4.20
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Part No.	Product No.	Description 1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)\$5.99	\$5.75	\$5.50
107334	ISD1420P	Voice record/playback (20 sec.) 6.85	5.75	4.65
120643	ISD2560P	Voice record/playback (60 sec.) 10.49	9.49	7.65
120660	ISD2590P	Voice record/playback (90 sec.) 11.75	9.99	7.49
141655	ISD25120P	Voice record/playback (120 sec.) 11.39	9.29	7.75



80C52-Basic Microcontroller

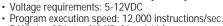
A custom-masked microcontroller with a full-featured 8k-byte ROMresident BASIC-52 interpreter. 256 x 8-bit RAM.

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- Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description		,	J	J	1	10	100
125647	80C52BASIC	9 40-pin CPU 8	B-bit CMOS w/ BAS	IC inte	rpret	er	\$32.75	\$29.47	\$26.51

PARALLAX R BASIC Stamp 2P Modules

In addition to the BS2-SX (pg 8) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.



RAM size: 38 bytes (12 I/O, 26 variable)

 EEPROM program size: 2k x 8, 4,000 instructions Current draw @ 5V: 40mA run; 400µA sleep

 Scratch pad RAM: 128 bytes No. of I/O Pins

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184911	BS2P24-IC 24-pin⊕	16 + 2 serial	\$78.95	\$70.95
184920	BS2P40-IC 40-pin⊕	32 + 2 serial	87.95	79.95

PARALIAX ? 50MHz BASIC Stamp 2SX Module

High-speed version of BS2-IC.

- EEPROM program size: 2k x 8, 4,000 instructions
- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep
- Volts required: 5-12 VDC RAM size: 32 bytes
- Scratch pad RAM: 64 bytes Microcontroller: Ubicom SX28AC

Part No.	Parallax No.	No. of I/O Pins	1	10
159775	BS2SX-IC 24-pin⊕	16 + 2 serial	\$58.95	\$52.95

Multi-Port Serial to Ethernet Kit

The Rabbit Serial-to-Ethernet Kit provides the hardware and software necessary for sensors and other serial devices to communicate via a LAN or other network. This kit allows you to simultaneously connect several serial devices to a network.

This kit also includes a prototyping board, Dynamic C[®] development environment including a royalty-free TCP/IP stack with source code, sample applications, temperature sensor demoboard, required cables, and assorted accessories.

- Serial to ethernet applications for: digital voltmeter and temperature sensor reader and binary and hexadecimal ASCII
- Royalty-free TCP/IP stack with source code Configuration menu system Design Advantages
- · Minimal ethernet experience required 3 step setup
- Software compatible with other Rabbit-based products

Part No. Description Price 321656 Multi-Port serial to ethernet app. kit ⊕ 2.0 \$375.25

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



321082

The Rabbit 3000 Microprocessor

The new Rabbit 3000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. Extensive integrated features and glueless architecture facilitate rapid hardware design, while a C-friendly instruction set promotes efficient development of

even the most complex applications. All development kits come complete with microprocessor core module, prototyping board, Dynamic C® development software with documentation on CD-ROM, serial cable for programming and debugging, "Getting Started" manual and AC adapter.

For detailed specifications, visit www.Jameco.com/prod/Rabbit

RCM3000 & 3100 General Purpose Development Kits

The RCM3000 & RCM3100 are ideal options for designers who want to rapidly develop and implement embedded systems with or without integrated Ethernet connectivity.



Part No.	Description	Price
320733	RCM3000 ethernet enabled kit ⊕	 \$284.05
320741	RCM3100 general purpose kit ⊕	 226.95

RCM3400 Development Kit

The RCM3400 is based on the low-EMI Rabbit 3000 CPU running at 29.4MHz, with 512kB Flash and 512kB SRAM on board. The development board features a 10/100BaseT Ethernet connection and can be used as a reference design in conjunction with Dynamic C*s royalty-free TCP/IP software libraries included in the development kit. Additional features include 5 serial ports and 8 analog inputs with programmable gain— all in an extremely small footprint!

Part No.	Description	Price
321031	RCM3400 analog development kit ⊕	\$378.95

RCM3200 10/100Base-T Development Kit

The RCM3200 RabbitCore[™] microprocessor core module is a great choice for designers who want to rapidly implement embedded systems that require a fully integrated 10/100Base-T Ethernet connection. Additional features include a battery-backed real-time clock, glueless I/O interfacing, slave port and an alternate I/O bus.

0		0		
Part No.	Description		◆ Blue Part No. = Limited Quantity Available	Price
320979	RCM3200 et	hernet e	nabled kit 🕀 🙃	\$331.55

RCM3300 & 3360 Flash Development Kits

The RCM3300 RabbitCore™ microprocessor core module is ideal for designers who want to rapidly develop serial Flash into their embedded application. The RCM3300 offers 8MB of serial flash for data logging and file storage purposes.

The RCM3360 RabbitCore™ microprocessor core module presents a new form of embedded flexibility: removable xD-Picture Cards.
Supports 16MB of on-board NAND Flash as well as memory cards of up to 128MB.

as well a		
Part No.	Description	Price
321082	RCM3300 serial flash kit 🕀	\$240.55
321613	PCM3360 NAND flash kit €	378 95

RCM3600, 3700 & 3720 Combo Flash/10Base-T Kits

The RCM3600 and RCM3700/3720 RabbitCore™ development kits are the lowest priced Rabbit 3000 microprocessor based core modules designed for a wide variety of applications. Each is equipped with +5VDC tolerant I/O, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities.



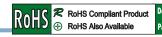
Part No.	Description	Price
321058	RCM3600 above w/o ethernet ⊕	\$226.95
321074	RCM3700 10Base-T, 512kB SRAM kit ⊕	283.95
321630	RCM3720 10Base-T, 256kB SRAM kit ⊕	188.95

320979 RCM3200 6	etnernet enabled kit	ernet enabled kit 😌 \$331.55 321630 RCM/3/2U IUBase-1, 256kB SRAIVI kit 😌								
Model No. Jameco Part No.	RCM3000 320733	RCM3100 320741	RCM3200 320979	RCM3300 321082	RCM3360 321613	RCM3400 321031	RCM3600 321058	RCM3700 321074	RCM3720 321630	
CPU Speed	29.4MHz⊕	29.4MHz ⊕	44.2MHz⊕	44.2MHz⊕	44.2MHz ⊕	29.4MHz ⊕	22.1MHz ⊕	22.1MHz ⊕	22.1MHz ⊕	
Ethernet	10Base-T, RJ-45, 2 LEDs	None	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, MAC ID installed	None	10Base-T, RJ-45, 2 LEDs	10Base-T, RJ-45, 2 LEDs	
Flash Memory	512k (2 x 256kB)	512k (2 x 256kB)	512kB	512kB	512kB	512kB	512kB	512kB	512kB	
SRAM	512kB	512kB	512kB program + 256kB data	512kB program + 512kB data	512kB program + 512kB data	512kB	512kB	512kB	256kB	
Extended Memory	None			8MB Serial Flash	16MB NAND Flash Chip, xD Removable Flash Memory	None	None	1MB Serial Flash	1MB Serial Flash	
General Purpose I/O	49 digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	able, 46 configurable, 44 configurabl uts, 4 fixed inputs, 4 fixed inputs		49 parallel digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	52 parallel digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	47 digital: 41 configurable, 3 fixed inputs, 3 fixed outputs	33 parallel digital: 31 configurable, 2 fixed inputs	33 parallel digital: 31 configurable, 2 fixed inputs	33 parallel digital: 31 configurable, 2 fixed inputs	
Analog Inputs	None	None None		None	None	8-ch single-ended (11-bit) or 4-ch differential	None	None	None	
Additional Inputs	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset In, CONVERT	Reset	Reset	None	
Additional Outputs	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset, BVREF	None	None	None	
External I/O	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	
Serial Ports	(with IrDA)	ompatible: configurabl , 4 configurable as clo onfigurable as SDLC/H	ocked (ŚPI),	Five 3.3V CMOS-compat. config. as asych. (w/IrDA), 3 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. (prog.)	Six 3.3V CMOS-compat. config. as asych. (w/IrDA), 4 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. dedicated. (prog.)	5 CMOS-compatible: 4 configurable as asynch. (w/ IrDA), 3 as clocked serial (SPI), 2 as SDLC/HDLC w/ IrDA, 1 asynch. serial port support for MIR/SIR IrDA transceiver	Four 3.3V CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked seral (SPI) and 1 as SDLC/HDLC (with IrDA) or 1 SPI and 2SDLC/HDLC, 1 asynchronous serial port (programming)			
Power	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 75mA	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 150mA	3.0-3.45VDC @ 97mA	4.75-12.6VDC @ 60mA	4.75-5.25VDC @100mA	4.75-5.25VDC @100mA	
Board Size	2.73" x 1.85" x 0.86"	1.85" x 1.65" x 0.55"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	1.37" x 1.16" x 0.31"	2.10" x 1.20" x 0.62"	2.95" x 1.20" x 0.85"	2.95" x 1.20" x 0.85"	
Connectors	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17 (1.27mm)	One 2 x 20, 0.10" IDC headers		One 2 x 20, 0.10" IDC headers	
Included	RabbitCore™ m	odule, development be	oard w/ prototyping a	rea, Dynamic C develo	pment system and do	ocumentation on CD-R	OM, serial cable, "Ge	tting Started" manual,	and AC adapter	
Price	\$284.05	\$226.95	\$331.55	\$240.55	\$378.95	\$378.95	\$226.95	\$283.95	\$188.95	
P	DoUS compliant prod	ust A This produc	at is available in both	DollC and non DollG	Versions Add on #D	" hoforo part number	for DoLIC version	Dotaile on page 1		

R RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Development Kits & EPROMs

For detailed specs, visit www.Jameco.com/Rabbit



Color Code Legend New Sale Lower\$ QtySave

Wi-Fi Application Kit

Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system.

Includes a Linksys Wi-Fi card, RCM3100 microprocessor core module, prototyping board, Dynamic C® development system

and complete documentation on CD-ROM, serial cable for programming and debugging, 10-pin DB15 Conversion Cable, manuals and AC adapter (U.S./Canada only).

Applications

- Wireless automation and control
 Convenient data and event logging
- · Instrumentation monitoring

Part No.	Description	Wt. (lbs.)	Price
321681	Wi-Fi application kit ⊕	2.0	\$568.95



GSM/GPRS and M2M Application Kits

This kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore Module (RCM) that can interpret messages as commands and in turn execute control functions.



t can interpret messages as commands in execute control functions.	321584		
Description	Wt. (lbs.)	Price	
GSM/GPRS app. kit w/ Enfora modem ⊕	2.0	\$616.55	
Machine to machine (M2K) kit w/ Wavecom modem ⊕	2.0	663.95	

Ethernet Starter Kit

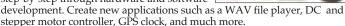


321584

321197

This starter kit is ideal for hobbyists, students and inventors who want to learn about C programming, TCP/IP

magine tools programming and interfacing electronic devices with microprocessors. Fun and useful application projects take you step-by-step through hardware and software



 Current draw: 43mA typ. @ 12V, 16mA typ. @ 40V
 Input volt.: 24-28VAC, 7-40VDC Hardware Includes: RCM3700 Rabbit Microprocessor Core Module plus proto and breadboards (6.5"L x 2.2"W), 12VDC @ 1A power supply, serial cable, 2 Ethernet cables, 8Ω 400mW speaker, wiring kit, $10k\Omega$ thermistor, $0.1\mu F$ capacitor, $10k\Omega$ potentiometer, headers, and standoffs

Software Includes: Dynamic C lite, libraries and samples, as well as royalty free TCP/IP protocol stack.

Part No.	Description	Price
355004	Ethernet starter kit	. \$141.55

Microprocessor Starter Kit



10

This Microprocessor Starter Kit is designed to work with several different forms of applications via system control: commands and

feedback, data acquisition, and custom hardware setups specific to user requirements. Whether you are an embedded systems



expert, or an electronics novice, Imagine Tools offers an educational community devoted to bringing as much value to a kit purchase as possible by offering free downloadable products, application ideas, and support. The microprocessor starter kit is ideal for hobbyists, enthusiasts, and entrepreneurs seeking to create a killer product and/or application.

• 256k FLASH/128k SRAM • Input voltage: 24-40VAC, 7-40VDC • 4 serial ports · Current draw: 43mA typ.@12V, 16mA typ.@40V 33 digital I/O ports

Kit Includes: RCM3610 module with Rabbit 300A microprocessor, starter board, software CD, hardware, and power supply.

Part No.	Description	Price
354992	Microprocessor starter kit	\$94.05

FDDOM

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909	2708�	DIP-24		450ns, 5V		\$4.29	\$3.19
33611	TMS2716 	DIP-24	ı	i 450ns, 5V		1.99	1.79
40002	2716❖	DIP-24	2k x 8	450ns, 5V	4.09	3.69	3.29
39706	27C16 ∜	DIP-24	2k x 8	450ns, 5V	6.99	5.99	4.99
308662	2716A-2	DIP-24	2k x 8	200ns, 5V	<mark> 6.09</mark>	5.48	5.03
40011	2716-14	DIP-24	2k x 8	350ns, 5V	6.49	5.89	5.39
265931	27C16-200	DIP-24	-	200ns, 5V	3.99	3.39	2.54
265965	27C16-150	DIP-24	:	150ns, 5V		5.20	3.90
40096	2732❖	DIP-24	!	450ns, 5V		5.49	4.19
39765	27C32.	DIP-24		450ns, 5V		4.95	4.45
40133	2732A-45	DIP-24	ı	450ns, 5V		3.69	3.29
33591	TMS25324	DIP-24	ı	450ns, 5V		3.59	3.19
114876	2732B.	DIP-24	ı	450ns, 5V		3.79	3.39
40125 40109	2732A-25❖	DIP-24 DIP-24		250ns, 5V 200ns, 5V		4.49	3.99
265990	2732A-20 4 27C32-200	DIP-24		200ns, 5V		5.99 4.99	5.49 3.99
266001	27C32-200 27C32-150	DIP-24		150ns, 5V		5.99	4.99
40205	2764-25 .	DIP-28	i	250ns, 5V		4.30	3.85
40248	2764A-25 	DIP-28		250ns, 5V		3.69	3.09
39845	27C64-25 	DIP-28	8k x 8	250ns, 5V		3.65	3.40
40192	2764-204	DIP-28	8k x 8	200ns, 5V		4.79	4.29
40230	2764A-20 	DIP-28	8k x 8	200ns, 5V		4.09	3.69
74608	27C64-20�	DIP-28	8k x 8	200ns, 5V		3.60	3.44
39829	27C64-15 ↔	DIP-28	8k x 8	150ns, 5V		3.63	3.10
105304	27C64-12 🕀 💠	DIP-28	1	I I 120ns, 5V		2.98	2.71
266036	27C64-100⊕	DIP-28	8k x 8	I I 100ns, 5V	4.09	3.59	2.69
266044	27C64-70 ↔	DIP-28	8k x 8	70ns, 5V	4.85	4.12	3.70
39933	27128-25�	DIP-28	16k x 8	250ns, 5V	<mark> 4.29</mark>	3.99	3.49
39984	27128A-254	DIP-28	16k x 8	250ns, 5V	4.49	4.09	3.69
39685	27C128-25�	DIP-28	16k x 8	250ns, 5V	3.99	3.59	3.29
39968	27128A-204	DIP-28	16k x 8	200ns, 5V		3.75	3.40
101101	27C128-204	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950	27128A-15 	DIP-28	16k x 8	150ns, 5V		3.60	3.25
39677	27C128-15 ♦	DIP-28	16k x 8	150ns, 5V		3.89	3.49
87935	27C128-12�	DIP-28	16k x 8	120ns, 5V		3.78	2.84
266061	27C128-100⊕	DIP-28	1	100ns, 5V		3.86	3.50
149665	27C128-70⊕	DIP-28	16k x 8	70ns, 5V		4.16	3.12
40061	27256-25�	DIP-28	32k x 8	250ns, 5V		2.99	2.69
39731	27C256-25�	DIP-28	32k x 8	250ns, 5V		2.99	2.69
40045 39722	27256-20 . 27C256-20 .	DIP-28 DIP-28	32K X 8	200ns, 5V 200ns, 5V		2.96 2.49	2.69 2.19
40037	27256-15 .	DIP-28	32k x 8	150ns, 5V		3.25	2.17
39714	27C256-15 ⊕ ❖	DIP-28	32k x 8	150ns, 5V		1.79	1.59
65904	27C256-12 ⊕ ◆	DIP-28	32k x 8	120ns, 5V		1.99	1.79
112740	27C256-10 ⊕ ❖		:	100ns, 5V		2.80	2.35
140476	27C256-70 ⊕ ❖	DIP-28		70ns, 5V		3.19	2.99
266079	27C256-55⊕	DIP-28		55ns, 5V		4.24	3.18
40168	27512-25�	DIP-28		250ns, 5V		3.39	3.09
39802	27C512-25�	DIP-28		I I 250ns, 5V		4.39	3.95
40150	27512-204			I I 200ns, 5V	2.69	2.39	2.19
39790	27C512-204	DIP-28	64k x 8	1 200ns, 5V	3.09	2.89	2.59
39781	27C512-15 🕀 💠	DIP-28	64k x 8	150ns, 5V	2.09	1.99	1.79
39773	27C512-12 🕀 💠	DIP-28	64k x 8	120ns, 5V	2.15	2.04	1.69
131959	27C512-10 🕀 💠	DIP-28	64k x 8	100ns, 5V	3.05	2.89	2.16
175206	27C512-90 🕀 💠	DIP-28	64k x 8	90ns, 5V	1.85	1.76	1.66
203625	27C512-70 ⊕	DIP-28	64k x 8	70ns, 5V	2.69	2.37	1.79
203617	27C512-45⊕		•	45ns, 5V		2.25	1.79
118148	27C1024-15⊕		•	150ns, 5V		4.79	4.39
203641	27C1024-12⊕		•	120ns, 5V		5.23	3.92
39669	27C010-204			200ns, 5V		1.85	1.52
39651	27C010-15 🕀 💠			150ns, 5V		1.90	1.75
	27C010-12 🕀 💠	DIP-32	1128k x 8	120ns, 5V	1.99	1.90	1.70
74624				ı			
74624 79231 137699	27C010-12 ⊕ ❖ 27C010-10 ⊕ ❖ 27C010-80 ⊕ ❖	DIP-32	128k x 8	100ns, 5V 80ns, 5V	2.09	1.75 4.61	1.60 4.09

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

OTP/PROM

EPROM (Continued)

	(00	,					
Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
146149	27C010-70 🕀 💠	DIP-32	128k x 8	70ns, 5V	\$2.49	\$2.29	\$2.09
266095	27C010-55⊕	DIP-32	128k x 8	55ns, 5V	3.19	2.65	2.12
65699	27C020-154	DIP-32	256k x 8	150ns, 5V	5.29	4.99	4.49
78852	27C020-12 🕀 💠	DIP-32	256k x 8	120ns, 5V	4.35	4.15	3.95
156267	27C020-10⊕	DIP-32	256k x 8	100ns, 5V	2.85	2.65	2.18
127933	27C4096-12⊕	DIP-40	256k x 16	120ns, 5V	6.95	5.95	5.35
85462	27C040-15*	DIP-32	512k x 8	150ns, 5V	5.05	4.35	3.75
102293	27C040-12 🕀 💠	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75
111780	27C040-10 🕀 💠	DIP-32	512k x 8	100ns, 5V	5.05	4.35	3.75
203676	27C040-80⊕	DIP-32	512k x 8	80ns, 5V	5.29	5.24	5.19
266124	27C040-70⊕	DIP-32	512k x 8	70ns, 5V	5.05	4.35	3.75
266132	27C040-55⊕	DIP-32	512k x 8	55ns, 5V	5.05	4.75	3.56
140003	27C080-12 🕀 💠	DIP-32	1M x 8	120ns, 5V	10.05	9.50	8.50
265842	27C800-12⊕	DIP-42	1M x 8	120ns, 5V	12.59	11.59	10.59
156275	27C080-10 🕀 💠	DIP-32	1M x 8	100ns, 5V	11.05	10.20	7.65
203684	27C080-90⊕	DIP-32	! 1M x 8	90ns, 5V	10.85	10.15	7.61

FIVE EPROM

Refurbished = Backed by Jameco

For more ST Micro EPROMs visit www.Jameco.com

Part No.	Cross Ref.	Pkg.	Config	Description 1	10	100
698331	M27C64A-20F1 ₹ ♠	DIP-28		200ns, 5V\$4. 75	\$4.22	\$3.70
698349	M27C64A-20F6 ₹ ♠	DIP-28		200ns, 5V 3.69	3.59	3.49
698322	M27C64A-15F1 ₹ ♠	DIP-28		150ns, 5V	3.59	3.49
698111	M27C256B-15F1₹	DIP-28	32k x 8	150ns, 5V 2.29	2.11	2.04
698091	M27C256B-12F1 ₹ ♠	DIP-28	•	120ns, 5V 2.29	2.22	2.15
698103	M27C256B-12F6 ₹ ♠	DIP-28		120ns, 5V 3.05	2.62	2.04
698082	M27C256B-10F1 ₹ ♠	DIP-28	32k x 8	100ns, 5V 3.05	2.62	2.30
698138	M27C256B-90F6 ₹ ♠	DIP-28	32k x 8	90ns, 5V 3.05	2.62	2.30
698120	M27C256B-70XF1 ₹ ♠	DIP-28	32k x 8	70ns, 5V 3.59	3.30	3.02
698218	M27C512-10F1 ₹ ♣	DIP-28	64k x 8	100ns, 5V 2.35	2.22	2.12
698306	M27C512-90F1 ₹ ♠	DIP-28	64k x 8	90ns, 5V 2.39	2.33	2.26
698314	M27C512-90F6 ₹ ♠	DIP-28	64k x 8	90ns, 5V 2.39	2.33	2.26
698277	M27C512-70XF1 ₹ 🏚	DIP-28	64k x 8	70ns, 5V 3.15	2.74	2.40
698251	M27C512-45XF1 ₹ 🏚	DIP-28	64k x 8	45ns, 5V 4.05	3.80	3.55
698234	M27C512-15F1₹	DIP-28	64k x 8	150ns, 5V 3.15	2.74	2.40
698242	M27C512-15F6 ₹ ♠	DIP-28	64k x 8	150ns, 5V 3.15	2.73	2.40
698226	M27C512-12F1 ≈ ♣	DIP-28	64k x 8	120ns, 5V 2.35	2.22	2.12
697987	M27C1001-15F1 ₹ ♠	DIP-32	128k x 8	150ns, 5V 3.99	3.73	3.46
697961	M27C1001-12F1 ₹ ♠	DIP-32	128k x 8	120ns, 5V 3.69	3.24	2.85
697979	M27C1001-12F6 ₹ 🕏	DIP-32	128k x 8	120ns, 5V 3.79	3.43	3.08
697944	M27C1001-10F1 ≈	DIP-32	128k x 8	100ns, 5V 3.69	3.24	2.99
698007	M27C1001-70F1 🗷 🕭	DIP-32	128k x 8	70ns, 5V 3.75	3.24	2.84
697995	M27C1001-45XF1 ₹ ♠	DIP-32	128k x 8	45ns, 5V 5.95	5.60	5.20
698058	M27C2001-15F1 ₹ ♠	DIP-32	256k x 8	150ns, 5V 5.25	4.75	4.23
698031	M27C2001-12F1 🗷 🕏	DIP-32	I .	120ns, 5V 3.79	3.57	3.36
698040	M27C2001-12F6 ≈ ♠	DIP-32		120ns, 5V 4.05	3.99	3.80
698023	M27C2001-10F1 ₹ ♠	DIP-32		100ns, 5V 5.15	4.45	3.90
698066	M27C2001-70XF1 ₹ ♠	DIP-32		70ns, 5V 8.15	7.62	7.09
698197	M27C4002-10F1 ₹ 🏚	DIP-40		100ns, 5V 9.45	8.85	8.25
698200	M27C4002-12F1 ₹ 🕏	DIP-40		120ns, 5V 9.45	8.85	8.25
698171	M27C4001-15F1 ₹ 🛧	DIP-32		150ns, 5V 5.45	4.98	4.57
698154	M27C4001-12F1 ₹ ♠	DIP-32		120ns, 5V 5.89	5.40	4.98
698162	M27C4001-12F6 ₹ ♠	DIP-32		120ns, 5V 7.09	6.64	6.19
698146	M27C4001-10F1	DIP-32	•	100ns, 5V 5.89	5.40	4.98
698189	M27C4001-80XF1 ₹ ♠	DIP-32		80ns, 5V 5.25	5.10	4.96
698357	M27C801-100F1 ₹ ♠	DIP-32	1M x 8	100ns, 5V 4.59	4.34	4.09

See EPROM programmers and erasers on pages 310, 311 & 312

EPROM Accessories

Part No.	Cross Ref.	Description 1	5
13864	CF2⊕	Conductive foam (12" x 24" x .25") hard black	\$8.35
226309	SUPERPRO-Z	EPROM Programmer, pg 310	351.49
15712	DE4⊕	8-chip UV-EPROM eraser, pg 312	101.49
	DIP MANAGEMENT	SOIC TSSOP	

100	10	Description 1	Config.	Pkg.	Cross Ref.	Part No.
\$6.04	\$7.03	256-bit, 5V, 25ns, PROM \$8.15	32 x 8	DIP-16	74S288	48717
4.89	5.39	256-bit, 7V, 50ns, PROM 5.99	32 x 8	DIP-16	N82S23	27844
8.65	9.10	256-bit, 7V, 50ns, PROM 9.49	32 x 8	DIP-16	N82S123	27764
9.69	10.75	1-kbit, 5V, 30ns, PROM 11.95	256 x 4	DIP-16	74S287	48696
2.55	2.79	1-kbit, 5V, 30ns, PROM 3.09	256 x 4	DIP-16	74S387	48805
7.10	8.15	1-kbit, 5V, 50ns, PROM 9.35	256 x 4	DIP-16	N82S126⊕	27772
8.30	9.45	1-kbit, 7V, 50ns, PROM 9.95	256 x 4	DIP-16	N82S129	27781
5.99	6.99	2-kbit, 7V, 50ns, PROM 7.99	512 x 4	DIP-16	N82S131	27799
4.43	5.91	4-kbit, 7V, 60ns, PROM	1k x 4	DIP-18	N82S137	27801
4.89	5.59	8-kbit, 7V, 70ns, PROM 6.59	1k x 8	DIP-24	N82S181	27810
7.15	7.85	16-kbit, 7V, 35ns, PROM 8.95	2k x 8	DIP-24	N82S191	27836
1.99	2.29	256-kbit, 5V, 45ns, I-temp. OTP 2.59	32k x 8	PLCC-32	AT27C256R-45JI⊕	394978
1.99	2.29	256-kbit, 45ns OTP, LP, I-temp 2.59	32k x 8	DIP-28	AT27C256R-45PI⊕	394986
1.11	1.23	256-kbit, 5V, 100ns, OTP 1.35	32k x 8	DIP-28	M27C256B-10B6◆	698074
.91	1.05	256-kbit, 5V, 150ns, OTP 1.15	32k x 8	PLCC-32	27C256-15⊕	266255
1.07	1.43	256-kbit, 5V, 200ns, OTP	32k x 8	PLCC-32	27C256-20⊕	266247
.89	.95	512-kbit, 5V, 45ns, OTP 1.09	64k x 8	DIP-28	AT27C512R-45PI⊕	395049
.99	1.17	512-kbit, 5V, 70ns, I-temp., OTP 1.35	64k x 8	DIP-28	AT27C512R-70PI€	395081
1.16	1.38	512-kbit, 5V, 70ns, OTP 1.65	64k x 8	PLCC-32	M27C512-70CS ₹ ♠	698269
1.16	1.38	512-kbit, 5V, 90ns, OTP 1.65	64k x 8	DIP-28	M27C512-90B6♠	698285
1.16	1.38	512-kbit, 5V, 90ns, OTP 1.55	64k x 8	PLCC-32	M27C512-90C6◆	698293
1.33	1.78	512-kbit, 5V, 100ns, OTP	64k x 8	DIP-28	27C512-12 OTP€	203692
4.35	4.97	1-Mbit, 2.7V, 120ns, I-temp., OTP 5.55	64k x 16	VSOP-40	AT27BV1024-12VI⊕	394652
1.37	1.83	1-Mbit, 5V, 70ns, I-temp., OTP 2.15	128k x 8	PLCC-32	AT27C010-70JI⊕	394695
1.05	1.09	1-Mbit, 5V, 70ns, I-temp., OTP 1.25	128k x 8	DIP-32	AT27C010-70PI⊕	394708
.88	1.17	1-Mbit, 5V, 100ns OTP \$2.2 ⁹ 1.38	128k x 8	DIP-32	27C010-10 OTP€	203705
1.94	2.30	1-Mbit, 5V, 100ns, OTP 2.49	128k x 8	DIP-32	M27C1001-10B1♣	698015
1.84	2.06	1-Mbit, 5V, 120ns, OTP 2.29	128k x 8	DIP-32	M27C1001-12B1♠	697952
1.41	1.48	2-Mbit, 5V, 90ns, I-temp., 0TP 1.65	256k x 8	DIP-32	AT27C020-90PI⊕	394791
1.73	2.06	2-Mbit, 5V, 100ns, OTP 2.25	256k x 8	DIP-32	M27C2001-10B1♣	697936
3.10	3.53	2-Mbit, 5V, 100ns, OTP 4.05	512k x 8	PLCC-32	M27W401-80K6 ◆	698365

ATTEL FEPROM

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Part No.	Cross Ref.	Pkg.	Config.	Description		1	10	100
368649	AT24C01A-10PI-2.7 ↔ €	DIP-8	128 x 8	2-wire serial, 2.7\	, I-temp.	\$.28	\$.20	\$.19
843770	AT24C01A-10PU-2.7	DIP-8	128 x 8	2-wrie serial, 2.7\	, I-temp.	64	.485	.364
368711	AT24C01A-10SI-2.7⊕	SOIC-8	128 x 8	2-wire serial, 2.7\	, I-temp.	\$.56.27	.23	.186
843817	AT24C01A-10SU-2.7	SOIC-8	128 x 8	2-wrie serial, 2.7\	, I-temp.	64	.485	.364
843850	AT24C01A-10TU-2.7	TSSOP-8	128 x 8	2-wrie serial, 2.7\	, I-temp.	85	.67	.496
844086	AT24C11-10PU-2.7₹♠	DIP-8	128 x 8	2-wire serial, 2.7\	, I-temp.	59	.451	.338
844431	AT25010AN-10SU-2.7	SOIC-8	128 x 8	SPI serial, 2.7V, I-	temp	80	.61	.46
368868	AT24C02AN-10SI-2.7 ↔	SOIC-8	256 x 8	2-wire serial, 2.7\	, I-temp.	62	.527	.395
762110	AT24C02B-10PU-1.8	DIP-8	256 x 8	2-wire serial, 1.8\	, I-temp.	75	.58	.44
843884	AT24C02BN-10SU-1.8	SOIC-8	256 x 8	2-wire serial, 1.8\	, I-temp.	75	.59	.441
368913	AT24C02N-10SI-1.8 ↔	SOIC-8	256 x 8	2-wire serial, 1.8\	, I-temp.	33	.281	.211
369617	AT25020A-10PI-2.7↔			SPI serial, 2.7V, I-			.476	.357
844465	AT25020AN-10SU-2.7	SOIC-8	256 x 8	SPI serial, 2.7V, I-	temp	80	.61	.46
762347	AT25040AN-10SU-1.8	SOIC-8	512 x 8	SPI serial, 1.8V, I-	temp	88	.67	.501
844490	AT25040AN-10SU-2.7	SOIC-8	512 x 8	SPI serial, 2.7V, I-	temp	81	.64	.48
843913				2-wrie serial, 2.7\			.56	.415
843948	AT24C04-10TU-2.7 ₹ ♠	TSSOP-8	512 x 8	2-wire serial, 2.7\	, I-temp.	95	.72	.56
368930	AT24C04A-10PI-2.7⊕	DIP-8	512 x 8	2-wire serial, 2.7\	, I-temp.	24	.235	.23
762136	AT24C04A-10TU-2.7	TSSOP-8	512 x 8	2-wire serial, 2.7\	, I-temp.	97	.73	.55
843972				2-wire serial, 2.7\			.68	.418
369086				2-wire serial, 2.7\			.235	.23
762152				2-wire serial, 1.8\			.58	.44
844001	AT24C04N-10SU-2.7 ♣	SOIC-8	512 x 8	2-wire serial, 2.7\	, I-temp.	73	.55	.418
369220	AT24C08AN-10SI-2.7 ↔	SOIC-8	1k x 8	2-wire serial, 2.7\	, I-temp.	31	.292	.274
844035	AT24C08AN-10SU-2.7 ₹ ♠	SOIC-8	1k x 8	2-wire serial, 2.7\	, I-temp.	79	.60	.458
844529	AT25080AN-10SU-2.7 🕿 ♠	SOIC-8	1k x 8	SPI serial, 2.7V, I-	temp		.65	.53
369369	AT24C16A-10PI-2.7↔	DIP-8	2k x 8	2-wire serial, 2.7\	, I-temp.	43	.366	.32
762232	AT24C16A-10PU-2.7 ₹ ♠	DIP-8	2k x 8	2-wire serial, 2.7\	, I-temp.	85	.64	.48
762259	AT24C16A-10TU-2.7 ₹ ♠	TSSOP-8	2k x 8	2-wire serial, 2.7\	, I-temp.	1.15	.81	.61
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Part No.	Cross Ref. Pkg.	Config.	Description	1	į	5 50					INEW	* Minimu	m order	5 pieces
368809	AT24C16AN-10SI-1.8⊕ SOIC-8	2k x 8	2-wire serial, 1.8V, I-ter	mp \$.42	\$.357	7 \$.34	Part No.	Cross Ref.	Pkg.	Config.	Description	1	5	
368948	AT24C16AN-10SI-2.7⊕ SOIC-8	_	2-wire serial, 2.7V, I-ter		.36	.34	845054					5V, I-temp. \$11.99		
844182	AT24C16AN-10SU-2.7 ₹ \$ SOIC-8	•	2-wire serial, 2.7V, I-ter		.64	.49	845071 762304	_			5 1	5V, I-temp 5.59 7V, I-temp 2.29	1.84	5.26 1.52
844131 762216	AT24C164-10PU-2.7 ₹ DIP-8 AT24C164-10SU-1.8 ₹ SOIC-8		2-wire serial, 2.7V, I-ter 2-wire serial, 1.8V, I-ter		.80	.65 .66	844271					7V, I-temp 2.29	1.79	1.52
844158	AT24C164-10SU-2.7 ₹♠ SOIC-8		2-wire serial, 1.6V, 1-ter		.80	.65	844246					7V, I-temp 2.45	1.94	1.63
844414	AT24HC02BN-10SU-1.8 ₹ \$ SOIC-8		2-wire serial, 1.8V, I-ter	•	.61	.46	845441					BV, I-temp *	.204	.198
369836	AT25160-10PI-1.8⊕ DIP-8		SPI serial, 1.8V, I-temp.			1.39	763884					- 5.5V, I-temp69	.495	.375
369810	AT25160A-10PI-1.8⊕ DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	61	.52	.45	846188	AT93C46-10PU-2.7				- 5.5V, I-temp 61	.46	.36
762401	AT25160A-10TU-2.7₹♠ TSSOP-8	2k x 8	SPI serial, 2.7V, I-temp	1.05	.87	.70	846217					- 5.5V, I-temp 55	.46	.36
369852	AT25160AN-10SI-2.7⊕ SOIC-8		SPI serial, 2.7V, I-temp.		1.03	.77	846241					- 5.5V, I-temp *	.193	.187
762427	AT25160AN-10SU-1.8 ₹♠ SOIC-8		SPI serial, 1.8V, I-temp		.75	.60	846276 846284	A193C46-101U-2.7 ► ♠ ^ AT93C46A-10PU-2.7 ► ♠				- 5.5V, I-temp85 - 5.5V, I-temp61	.65	.49 .36
844561	AT25160AN-10SU-27 ₹ \$ SOIC-8		SPI serial, 2.7V, I-temp		.72	.59	763905	AT93C46A-10SU-1.8 ₹♠		- 1		- 5.5V, I-temp 97	.46 .95	.92
395292 369449	AT28BV16-25JC⊕ PLCC-32 AT24C32A-10Pl-2.7⊕ DIP-8	1	Parallel, 2.7V, com-tem 2-wire serial, 2.7V, I-tem		3.10	2.94	846313	AT93C46A-10SU-2.7 AT93C46A-10SU-2.7 ♠				- 5.5V, I-temp 61	.46	.35
762283	AT24C32A-10PU-2.7 ₹♠ DIP-8		2-wire serial, 2.7V, 1-ten		.65	.52	846348	AT93C46A-10TU-2.7 ₹ ♠				- 5.5V, I-temp85	.64	.48
369473	AT24C32AN-10SI-1.8⊕ SOIC-8		2-wire serial, 2.7V, I-ter		.40	.381	846364	AT93C56A-10SU-2.7 ≈ *	SOIC-8	256 x 8	3-wire serial, 2.7V	- 5.5V, I-temp 71	.54	.41
369481	AT24C32AN-10SI-2.7⊕ SOIC-8		2-wire serial, 2.7V, I-ter		.93	(.70)	846399	AT93C66A-10PU-2.7 ≈ ★*	DIP-8	512 x 8	3-wire serial, 2.7V	- 5.5V, I-temp *	.27	.262
844211	AT24C32AN-10SU-2.7₹♠SOIC-8	4k x 8	2-wire serial, 2.7V, I-ter	mp .78	.66	.53	846428					- 5.5V, I-temp 77	.58	.44
369502	AT24C32AW-10SI-2.7⊕ SOIC-8	4k x 8	2-wire serial, 2.7V, I-ter	mp 2.35	2.00	1.50	763948					- 5.5V, I-temp99	.77	.57
369983	A123320AN-10312.7 • 5010-0		SPI serial, 2.7V, I-temp			.95	763964					- 5.5V, I-temp89	.70	.53
844730	7112020111 1000 E17		SPI serial, 2.7V, I-temp		.92	.75	843673 843702					n mem., C-temp 9.55 n mem., C-temp. 10.05	9.26 9.72	8.99 9.44
762321	AT24C64A-10PU-2.7 ₹♠ DIP-8		2-wire serial, 2.7V, I-ter		.75	.60	843711					System, Com. temp. 13.39		
369570 369537	AT24C64A-10TI-2.7		2-wire serial, 2.7V, I-ter 2-wire serial, 2.7V, I-ter		3.70	2.77	762099					emp 41.09		
36953 <i>1</i> 844326	AT24C64AN-10SU-2.7 ₹ \$ SOIC-8	•	2-wire serial, 2.7V, 1-ter		.75	.46		en ORG pin is co			oomig nasii, i t	p	07172	00.70
844297	AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27 AT24C64A-10TU-27		2-wire serial, 2.7V, I-ter		.89	.72						5 07.10		
844351	AT24C64AW-10SU-27 ₹♠ SOIC-8		2-wire serial, 2.7V, I-ter		.75	.60		EEPROM				For more ST Mi visit www.Ja		
762486	AT25640A-10PU-2.7 ₹ ♠ DIP-8		SPI serial, 2.7V, I-temp			.84	-/-	LLI ITOIVI			— NEW —	* Minimu		
368737	AT25640AN-10SI-1.8 SOIC-8	8k x 8	SPI serial, 1.8V, I-temp	1.15	.97	.78	Part No.	Cross Ref.	Pkg.	Config 1	Description	* William 1		•
762507	AT25640AN-10SU-1.8₹♠ SOIC-8		SPI serial, 1.8V, I-temp			.86	697856					erial I ² C bus *		\$.235
844764	AT25640AN-10SU-2.7₹♠ SOIC-8	5	SPI serial, 2.7V, I-temp			.84	697864	M24C02-WMN6P₽				erial I ² C bus71	.70	.63
762638	AT28C64-12PC DIP-28	•	Parallel, 5V, Com-temp				697872	M24C02-WMN6TP	\$ SO-8	256 x 8	2.5-5.5V, 2-kbit s	erial I ² C bus *	.242	.235
762654 762671	AT28C64-15PC♠ DIP-28 AT28C64-25PI♠ DIP-28		Parallel, 5V, Com-temp Parallel, 5V, I-temp			9.29	697881					erial I ² C bus90	.79	.69
845100			Parallel, 5V, I-temp			2.23	697899	M24C04-WMN6TP				erial I ² C bus *	.242	.235
762697			Parallel, 5V, I-temp			3.14	697901					serial I ² C bus *	.268	.26
762718			Parallel, 5V, I-temp			4.99	697910 698411					serial I ² C bus * serial I ² C bus *	.389	.378
844385	AT24C64BN-10SU-27 ₹ ♠ SOIC-8		2-wire serial, 2.7V, I-ter			.99	070411	IVI34C32-LDW01F	. ₩ 1330F-0	46.80	2.0-0.0 V, 32-KDIL	Seliai I C bus *	.107	. 103
762734	AT28C64E-12JI♠ PLCC-32		Parallel, 5V, I-temp			4.50	MI ZZ	COOCHIO E	·EDDC	N. 7. (`! . I	For more Microc		
762751	AT28C64E-12SI♠ SOIC-28		Parallel, 5V, I-temp			4.68	Tr. IAII	CROCHIP	EPRU)IVI — 3	seriai	visit <u>www.Ja</u>	neco.co	<u>m</u>
762777			Parallel, 5V, I-temp			4.31					(NEW			•
762793	_		Hi-speed parallel, 5V, I-			3.54	Part No.	Cross Ref.	Pkg.		ig. Description	1	5	
762814			Hi-speed parallel, 5V, I-			3.28	790866	24LC00/P ₹ ♠	DIP-	- :	•	bus, 2.5V \$.34		
762831 369271			Hi-speed parallel, 5V, I- 2-wire serial, 2.7V, I-ter				790882				•	/, I-temp51	.50	.49
369289			2-wire serial, 2.7V, I-ter			\sim	790903 790920	24LC01B-I/P ≈ 24LC01B-I/SN				/, I-temp * /, I-temp *	.347	.337
762179			2-wire serial, 2.7V, I-ter			.85	790946	24LC01B/P ₹ ♠				/*	.341	.31
844115			2-wire serial, 2.7V, I-ter			.84	695834				1	59	.55	.524
369326	AT24C128W-10SI-2.7⊕ SOIC-8	16k x 8	2-wire serial, 2.7V, I-ter	mp 1.89	1.61	1.21	695931	24LC64-I/P ₹	DIP-			89	.84	.80
762195			2-wire serial, 2.7V, I-ter			.85	695957	24LC64-I/SN ₹	SOIC	-8 ¦ 8k x	8 5V, 400kHz	89	.86	.81
762380	_		SPI serial, 2.7V, I-temp			.97	695973	25LC640-I/SN				99		.89
844545			SPI serial, 2.7V, I-temp			.87	695818					1.45		1.29
762363			SPI serial, 2.7V, I-temp			.87	695851	24LC256-I/SM				2.05		1.84
762443 844596			SPI serial, 1.8V, I-temp SPI serial, 2.7V, I-temp			1.33	695877					2.05		1.83
844625	_		SPI serial, 2.7V, I-temp			1.21	695893 695914					3.09 S 3.39		2.80 3.07
844641			SPI serial, 2.7V, I-temp			1.21	791244					5	.357	.345
762460			SPI serial, 1.8V, I-temp			1.23	791261	93C46B/SN ₹ 4				/, w/out org pin*	.386	.375
844713			SPI serial, 2.7V, I-temp			1.21	791287	93C46C-I/P ≈ 4				/, I-temp., w/org pin *	.378	.345
762267	AT24C256B-10TU-1.8₹♠TSSOP-8	32k x 8	2-wire serial, 1.8V, I-ter	mp 2.19	1.76	1.31	791308	93LC46/SN ≈ 4				5V, w/ org pin	.53	.483
762574			Parallel, 2.7V - 3.6V, I-t			5.82	791324					5V, I-temp *	.37	.362
762591		•	Parallel, 2.7V - 3.6V, I-t			5.69	791332	93LC46B-I/P ₹	DIP-	8 64 x	16 1k microwire,	2.5V, I-temp *	.38	.33
845003	_		Paged parallel, 5V, I-ter			4.45	DIP Source	SOIC	PIC	c 🚄	SSOP	TSSOP	SO S	
762611		•	Paged parallel, 5V, I-ter				1 11111	600				10001	55	1
■ This prod	uct ships from a separate wa		nd may require up to 4 days				crue separate si		orry, we're	unable to s	snip COD.			

Details on page 1.

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

Config. Description

93LC46B-I/ST₹♠ TSSOP-8 64 x 16 1k microwire, 2.5V, I-temp. * \$.41

24LC02B-I/SNG**₹** SOIC-8 256 x 8 2k I2C, 2.5V, I-temp.50

93LC56B/P₹♠ DIP-8 128 x 16 2k microwire, 2.5V44

93LC66C-I/SNG₹♠ SOIC-8 256 x 16 4k microwire, 2.5V, I-temp.44

25C080/SN**₹**♠ SOIC-8 1k x 8 8k SPI bus, 3MHz, 5V97

24LC64-I/SM₹♠ SOIC-8 8k x 8 64k I2C, 2.5V, I-temp.97

DIP-8 64 x 16 1k microwire, 2.5V *

128 x 8 1k microwire, 2.5V, I-temp., w/ pin *

2k x 8 16k microwire, I-temp. 1.07

4k x 8 32k I2C, 2.5V**79**

4k x 8 . 32k I2C, 2.5V, I-temp.81

4k x 8 32k SPI bus, 3MHz, 5V ... 1.35 1.23

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МісяосніР EEPROM – Serial (Cont.)

Pkg.

Part No.

791367

791383

791404

790962

791421

791447

791463

791480

791172

791501

791041

791076

791156

791201

791092

Cross Ref.

93I C46B/P**≈** ♠

93I C46C-I/SNG € \$ SOIC-8

24LC32A/SN₹♠ DIP-8 I

SOIC-8

25C320/SN**≈**♠

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* Minimum order 5 pieces



™MICROCHIP PICDEM™ USB Demo Board

The PICDEM FS USB demonstration kit is designed as an easy-to-use evaluation platform for Microchip's full speed USB solution. The devices in Microchip's new family of USB microcontrollers fully support USB2.0 and serial communications of up to 12Mbits/s. This kit provides all of the hardware and software



needed to demonstrate and develop a complete USB communication solution. The microcontroller for the PICDEM board is the PIC18F4550, the principal device of the PIC18F2455/2550/4455/4550 family. All of these devices implement power-saving nano-watt technology, enhanced flash program memory and feature USB modules with:

- Full-speed (12Mbit/s) and low-speed (1.5Mbit/s) operation
- Support of control, interrupt, bulk and isochronous transfers
- On-chip features for a true-single chip USB implementation
- 1kbyte of dual-access RAM for USB
- USB 2.0 compliance Interface for off-chip USB transceiver · Support of up to 32 end points
- Cross Ref. Description DM163025 ₹ USB demo board 697207 \$86.76 \$82.63

For more NXP Controller / PHILIPS Controller Interface Interface Visit www.Jameco.com

Part No.	Cross Ref.	Pkg.	Description	1	10	100
699780	PCA82C250N₹♠	DIP-8	CAN controller interface, 1 Mbaud \$1.	89	\$1.82	\$1.75
699798	PCA82C250TD₹	SOIC-8	CAN controller interface, 1 Mbaud 1.	55	1.51	1.47
699801	PCA82C251TD	SOIC-8	CAN transceiver for 24V systems 1.	55	1.51	1.47

NIP / PHILIPS 12C & SMBus

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Part No.	Cross Ref.	Pkg.	Description	1	10	100
699819	PCA9554D ≈ ♠	SOIC-16	8-bit I ² C SMBus I/O port w/ interrupt	\$1.59	\$1.55	\$1.50
699827	PCA9554PW ≈ ♠	TSSOP-16	8-bit I ² C SMBus I/O port w/ interrupt	1.59	1.54	1.50
699835	PCA9555DB ₹ ♠	SSOP24	16-bit I ² C SMBus I/O port w/ interrup	t 1.89	1.95	2.01
699851	PCA9555PW ≈ ♠	TSSOP-24	16-bit I2C SMBus I/O port w/ interrup	t 1.49	1.44	1.40

Flash Memory - Serial

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Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
659913				3V w/ 20MHz SPI bus interf.			
321605				3V w/ 40MHz SPI bus interf.			
321648	M25P20-VMN6	⊕SOIC-8	256k x 8	3V w/ 40MHz SPI bus interf.	1.75	1.60	1.45
321664	M25P40-VMN6	⊕SOIC-8	512k x 8	3V w/ 40MHz SPI bus interf.	3.05	2.89	2.73
321672	M25P80-VMW6	⊕ SOIC-8	1M x 8	3V w/ 40MHz SPI bus interf.	3.35	2.85	2.83
697928	M25P32-VME6G ≭	♠ MLP-8	4M x 8	2.7-3.6V w/ 50MHz SPI bus inte	rf. 7.99	7.54	7.33

AIMEL Flash Memory - Data

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Part No.	Cross Ref.	Pkg.	Description	1	10	100
763286	AT45DB011B-CC♠	CBGA-9	1M-bit, 2.7V, Com-temp	\$2.09	\$1.89	\$1.73
763307	AT45DB011B-XC♠	TSSOP-14	1M-bit, 2.7V, Com-temp	1.29	1.25	1.22
763323	AT45DB011B-XI♣	TSSOP-14	1M-bit, 2.7V, I-temp	1.48	1.33	1.23
845505	AT45DB011B-SC♠	SOIC-8	1M-bit, 2.7V, Com-temp	2.45	2.09	1.76
845556	AT45DB011B-SU ♣	SOIC-8	1M-bit, 2.7V, I-temp	1.35	1.07	.95
763340	AT45DB021B-SU	SOIC-8	2M-bit, 2.7V, I-temp.	1.65	1.43	1.22
763366	AT45DB021B-TI♣	TSOP-8	2M-bit, 2.7V, I-temp	1.75	1.68	1.63
845581	AT45DB021B-SC♠	SOIC-8	2M-bit, 2.7V, Com-temp	5.39	4.65	4.59
845610	AT45DB041B-SC♠	SOIC-8	4M-bit, 2.7V - 3.6V	1.89	1.59	1.55
845644	AT45DB041B-SC-2.5	SOIC-8	4M-bit, 2.5V - 3.6V	1.89	1.69	1.55
845695	AT45DB041B-SU ♣	SOIC-8	4M-bit, 2.7V - 3.6V	1.99	1.59	1.55
763382	AT45DB081B-RC♠	SOIC-28	8M-bit, 2.7V - 3.6V	4.59	4.09	3.80
763391	AT45DB081B-RI♠	SOIC-28	8M-bit, 2.7V, I-temp	5.45	4.99	4.49
763411	AT45DB081B-TC♠	TSOP-28	8M-bit, 2.7V, I-temp	2.99	2.89	2.81
763438	AT45DB081B-TI♣	TSOP-28	8M-bit, 2.7V, I-temp	3.19	3.10	3.02
763454	AT45DB161D-MU ≈ €	MLF-8	16M-bit, 2.7V - 3.6V, I-temp	3.39	2.99	2.68
763471	AT45DB321C-CI♠	CBGA-24	32M-bit, 2.7V, I-temp	7.25	7.02	6.82
763497	AT45DB321C-CNU₹	CASON-8	32M-bit, 2.7V, I-temp	5.55	5.34	4.92
845724	AT45DB321C-CNC	 CASON-8	32M-bit, 2.7V	5.99	5.69	5.39
845741	AT45DB642D-TU ₹ 🏚	TSOP-28	Dual interface , 64M-bit, 2.7V, I-tem	p. 8.95	8.68	8.43

24LC64-I/SNG ₹♠ SOIC-8 791113 8k x 8 64k I2C, 2.5V, I-temp.94 .78 DIP-8 8k x 8 64k I2C Smart, 4.5V to 6V, 400KHz ... 1.85 1.77 24C65/P**≈**♠ 790840 1.72 DIP-8 8k x 8 64k I2C Smart, 2.5V - 6V, 100/400KHz ... 2.49 2.33 791130 24LC65-I/P**≈** ♠ 2.14 25LC640-I/SNG ₹ \$SOIC-8 791228 8k x 8 64k SPI bus, 3/2.5MHz, 2.5V, I-temp.89 .85 24LC128-I/P₹♠ DIP-8 16k x 8 128k I2C CMOS, 2.5V, I-temp. 1.21 1.20 791009 24LC128-I/ST ₹♠ TSSOP-8 16k x 8 128k I2C CMOS, 2.5V, I-temp. 1.55 1.44 791025 EEPROM

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
200627	24C44⊕	DIP-8	16 x 16	Serial, 5V\$1.9	99 9	\$1.69	\$1.26
276955	93C46⊕	SOIC-8	64 x 16	3-wire serial, 2-5V	32	.272	.204
102058	93C46⊕	DIP-8	64 x 16	3-wire serial, 2-5V	43	.32	.24
108839	24C02P⊕	DIP-8	256 x 8	2-wire serial, 5V	40	.38	.28
200598	93C66⊕	DIP-8	256 x 16	3-wire Serial, 2-5V	51	.42	.315
108847	24C04P⊕	DIP-8	512 x 8	2-wire serial, 2-5V	71	.57	.53
200547	24C08-10⊕	DIP-8	1k x 8	2-wire serial, 2-5V	79	.72	.65
200601	93C86 ⊕	DIP-8	1k x 16	3-wire serial, 2-5V	72	.58	.435
276681	24C16⊕	SOIC-8	2k x 8	2-wire serial, 2-5V\$.45	25	.213	.207
200555	24C16-10⊕	DIP-8	2k x 8	2-wire serial, 5V	18	1.00	.75
276699	28C16⊕	SOIC-24	2k x 8	Page parallel, 5V2.4	45	1.98	1.73
74691	28C16A-25⊕	DIP-24	2k x 8	Page parallel, 5V 3.9	99	3.69	3.39
276701	28C17⊕	DIP-28	2k x 8	Page parallel, 5V 3.3	25	2.95	2.65
40416	2817A-25	DIP-28	2k x 8	Page parallel, 5V 7.	15	6.45	5.85
200563	24C32-10⊕	DIP-8	4k x 8	2-wire serial, 5V	80	.87	.77
200619	24C65 🕀	DIP-8	8k x 8	2-wire serial, 2-5V 2.	15	2.05	1.85
276752	28C64⊕	SOIC-28	8k x 8	Page parallel, 5V	69	3.14	2.35
74827	28C64A-25⊕	DIP-28	8k x 8	Page parallel, 5V4.	45	3.80	3.65
40475	2865A	DIP-28	8k x 8	5V4.) 5	4.49	4.05
200571	24C128-10⊕	DIP-8	16k x 8	2-wire serial, 2-5V 1.0	65	1.35	1.20
200580	24C256-10⊕	DIP-8	32k x 8	2-wire serial, 2-5V 2.:	35	1.90	1.70
74878	28C256-25	DIP-28	32k x 8	Page parallel, 5V8.2	25	7.10	7.05
74843	28C256-15⊕	DIP-28	32k x 8	Page parallel, 5V	99	6.89	6.19
276832	24C512⊕	DIP-8	64k x 8	2-wire serial, 2-5V 2.	15	2.08	1.91
276912	24C1024⊕	DIP-8	128k x 8	2-wire serial, 2.7-5V 6.0	65	5.18	4.77
242253	28C010-15	DIP-32	128k x 8	Page parallel, 5V	35 2	28.05	25.50

Microcom Pickit™ 2 Microcontroller Starter Kit

The PICkit™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website. This kit includes PICkit™ 2 microcontroller programmer, USB cable and CD ROM.



Part No.	Cross Ref.	Description 1	10	100
697338	DV164120 ≈ ♠	Programmer starter kit \$75.95	\$72.29	\$68.86

📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Part No.

763091

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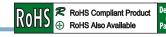
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Flash Memory – SPI/ISP					For more Atmel Flash Memory visit www.Jameco.com			
Part No.	Cross Ref.	Pkg.	Config.	Description		1	10	100
844895	AT25F512AN-10SU-2.7 🕿	SOIC-8	64k x 8	SPI serial, 512k-bit	t, 2.7V, I-temp.	\$1.36	\$1.09	\$.87
844799	AT25F1024AN-10SU-2.7 🗷 🧐	SOIC-8	128k x 8	SPI serial, 1M-bit	, 2.7V, I-temp.	1.55	1.24	1.00
844836	AT25F2048N-10SU-2.7 🗷 ♠	SOIC-8	256k x 8	SPI serial, 2M-bit	, 2.7V, I-temp.	1.85	1.47	1.22
844861	AT25F4096W-10SU-2.7 ₹	SOIC-8	512k x 8	SPI serial, 4M-bit	, 2.7V, I-temp.	2.29	1.85	1.71
845775	AT49BV040B-70JU 🕿 🛧	PLCC-32	512k x 8	Flash Memory, 2.	7V - 5.5V (ISP	1.85	1.47	1.18
Flash Memory NEW For more Atmel Flash Memory visit www.Jameco.com						,		

Description

64k x 8 i 70ns, 5V, Com.-temp.

Config.

AT29C512-90JC PLCC-32 64k x 8 90ns, 5V, Com.-temp. ..

AT29LV512-15TU ₹ ★ TSOP-32 64k x 8 150ns, 3.3V, I-temp. ...

AT29C010A-70JU R ♠ PLCC-32 128k x 8 70ns, 5V, I-temp. ...

AT29C010A-90JC♠ PLCC-32 128k x 8 190ns, 5V, Com.-temp.

AT29C010A-90JI PLCC-32 128k x 8 90ns, 5V, I-temp.

AT29C010A-90JU R ♠ PLCC-32 1 128k x 8 1 90ns, 5V, I-temp.

AT29C010A-12JC PLCC-32 128k x 8 120ns, 5V, Com.-temp. ..

AT29C020-70JC PLCC-32 I 256k x 8 I 70ns, 5V, Com.-temp. ...

AT29LV020-10JI PLCC-32 I 256k x 8 I 100ns, 3.3V, I-temp. .

AT29LV020-10TI TSOP-32 256k x 8 100ns, 3.3V, I-temp. ...

AT29C040A-15TC♠ TSOP-32 512k x 8 150ns, 5V, Com.-temp. ...

AT29C040A-90TI TSOP-32 512k x 8 90ns, 5V, I-temp. .

AT29C040A-90TU ₹ \$ TSOP-32 | 512k x 8 | 90ns, 5V, I-temp.

AT29C010A-90TI♠ TSOP-32 128k x 8 90ns, 5V, I-temp.

AT29C010A-12JI PLCC-32 128k x 8 120ns, 5V, I-temp. ..

AT29C010A-12TI TSOP-32 128k x 8 120ns, 5V, I-temp. .

AT29BV010A-15JI PLCC-32 128k x 8 150ns, 2.7V-3.6V, I-temp.

AT29BV010A-15JC♠ PLCC-32 128k x 8 150ns, 2.7V-3.6V, Com.-temp. ... 2.19

AT29LV010A-12JI♠PLCC-32 128k x 8 120ns, 3.3V, 8k boot-block, I-temp. 2.65

AT29LV010A-15JI PLCC-32 128k x 8 150ns, 3.3V, 8k boot block, I-temp. 2.69

AT29BV020-15TC♠ TSOP-32 256k x 8 150ns, 2.7V-3.6V, Com.-temp. ... 2.95

AT29BV040A-20TI TSOP-32 512k x 8 200ns, 2.7V-3.6V, 16k boot block, I-temp. 4.49

AT29LV040A-15JI PLCC-32 512k x 8 150ns, 3.3V, 16k boot block, I-temp. 4.49

AT29LV040A-15TI全TSOP-32 512k x 8 150ns, 3.3V, 16k boot block, I-temp. 4.49

AT29C512-90JI PLCC-32 64k x 8 90ns, 5V, I-temp.

AT29C512-90TI TSOP-32 64k x 8 90ns, 5V, I-temp.

AT29C512-70TC TSOP-32 I

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10	100	Part
1.09	\$.87	6983
1.24	1.00	6983
1.47	1.22	6983
1.85	1.71	6984

Flash Memory

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Part No.	Cross Ref.	Pkg.	Config.	Description 1	10	100
698373	M29F040B45K1♣	PLCC-32	512k x 8	45ns, 5V, uniform block \$4.09	\$3.87	\$3.65
698381	M29F040B70K6◆	PLCC-32	512k x 8	70ns, 5V, uniform block 3.29	3.02	2.85
698390	M29F400BB45N1♣	TSOP-48	512k x 8	45ns, 5V, bottom boot 2.29	2.22	2.15
698402	M29W040B90K1 ♠	PLCC-32	512k x 8	90ns, 2.7-3.6V, uniform block 2.59	2.30	1.99

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6.65 6.30

2.69 2.52

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ICHON DDR SDRAM

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_							
Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
699093	MT46V16M16FG-6:F♠	FBGA-60	16M x 16	333MHz, 6ns	10.65	\$10.32	\$9.22
699106	MT46V16M16P-6T:F ₹ ♠	TSOP-66	16M x 16	333MHz, 6ns	7.95	7.72	7.50
699114	MT46V16M16TG-5B:F♠	TSOP-66	16M x 16	400BMHz, 5ns	8.45	8.21	7.97
699122	MT46V16M16TG-6T:F♠	TSOP-66	16M x 16	333MHz, 6ns	7.09	6.99	6.89
699131	MT46V16M16TG-75:F♠	TSOP-66	16M x 16	266BMHz, 7.5ns	7.09	6.99	6.93
699149	MT46V32M16FN-6:F◆	FBGA-60	32M x 16	333MHz, 6ns	28.69	26.99	24.99
699165	MT46V32M16P-6T:F♠	TSOP-66	32M x 16	333MHz, 6ns	15.99	13.89	13.09
699181	MT46V32M16TG-6T IT:F♠	TSOP-66	32M x 16	333MHz, 6ns, ind. temp	16.89	16.39	15.09
699202	MT46V32M16TG-6T:F♠	TSOP-66	32M x 16	333MHz, 6ns	13.49	13.11	12.09

1.89 2.17 4.58

For more Micron SDRAM

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Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
699229	MT48LC16M16A2BG-75:D ≈	◆ VFBGA-54	16M x 16	133MHz, 7.5ns	\$13.49	\$13.11	\$12.73
699237	MT48LC16M16A2FG-75 IT:D◆	VFBGA-54	16M x 16	133MHz, 7.5ns, ind. temp	16.19	15.74	14.49
699245	MT48LC16M16A2FG-75:D ◆	VFBGA-54	16M x 16	133MHz, 7.5nsx	13.49	13.11	12.09
699253	MT48LC16M16A2P-75 IT:D ₹	◆ TSOP-54	16M x 16	133MHz, 7.5ns, ind. temp	13.49	13.11	12.45
699261	MT48LC16M16A2P-75:D ₹	▶ TSOP-54	16M x 16	133MHz, 7.5ns	12.09	11.78	11.45
699270	MT48LC16M16A2P-7E:D ≈ •	▶ TSOP-54	16M x 16	133MHz, 7.5ns	12.09	11.78	11.45
699288	MT48LC16M16A2TG-6A:D◆	TSOP-54	16M x 16	167MHz, 6ns	12.99	12.65	11.63
699296	MT48LC16M16A2TG-75 IT:D€	TSOP-54	16M x 16	133MHz, 7.5ns, ind. temp	13.49	13.11	12.09
599309	MT48LC16M16A2TG-75 L:D♠	TSOP-54	16M x 16	133MHz, 7.5ns, low powe	r 13.49	13.11	12.09
599317	MT48LC16M16A2TG-75:D♠	TSOP-54	16M x 16	133MHz, 7.5ns	12.09	11.80	10.85
599325	MT48LC16M16A2TG-75:D TR	▶ TSOP-54	16M x 16	133MHz, 7.5ns	12.09	11.78	11.45
99333	MT48LC16M16A2TG-7E:D♠	TSOP-54	16M x 16	133MHz, 7.5ns	10.99	10.89	10.85
99341	MT48LC2M32B2P-7:G ₹ ♣	TSOP-86	2M x 32	143MHz, 5.5ns	5.99	5.79	5.64
99350	MT48LC2M32B2TG-55:G◆	TSOP-86	2M x 32	183MHz, 5ns	5.99	5.81	5.35
99368	MT48LC2M32B2TG-6:G◆	TSOP-86	2M x 32	166MHz, 5.5ns	5.98	5.81	5.35
99376	MT48LC2M32B2TG-7 IT:G€	TSOP-86	2M x 32	143MHz, 5.5ns, extended to	mp 6.75	6.37	5.87
99384	MT48LC2M32B2TG-7:G♠	TSOP-86	2M x 32	143MHz, 5.5ns	5.98	5.81	5.35
99392	MT48LC2M32B2TG-7:G TR ◆	TSOP-86	2M x 32	143MHz, 5.5ns	5.98	5.81	5.35
99405	MT48LC32M16A2TG-75 IT:C4	TSOP-54	32M x 16	133MHz, 7.5ns, ind. tem	p 59.99	58.99	57.09
99413	MT48LC32M16A2TG-75:C♠	TSOP-54	32M x 16	133MHz, 7.5ns	43.99	42.99	41.69
599421	MT48LC32M8A2TG-75:D♣	TSOP-54	32M x 8	133MHz, 7.5ns	12.19	11.80	10.85
599430	MT48LC32M8A2TG-7E:D◆	TSOP-54	32M x 8	133MHz, 7.5ns	11.29	10.99	10.85
599448	MT48LC4M16A2P-75:G ₹ ♠	TSOP-54	4M x 16	133MHz, 7.5ns	5.79	5.29	4.99
699456	MT48LC4M16A2TG-75 IT:G	TSOP-54	4M x 16	133MHz, 7.5ns, ind. te	mp 6.19	5.99	5.51
699464	MT48LC4M16A2TG-75 IT:G TR	★ TSOP-54	4M x 16	133MHz, 7.5ns, ind. te	mp 6.19	5.99	5.51
699472	MT48LC4M16A2TG-75:G◆	TSOP-54	4M x 16	133MHz, 7.5ns	5.49	5.25	4.83
699481	MT48LC4M16A2TG-75:G TR	◆ TSOP-54	4M x 16	133MHz, 7.5ns	5.49	5.25	4.99
699499	MT48LC4M16A2TG-7E:G◆	TSOP-54	4M x 16	133MHz, 7.5ns	5.49	5.34	4.92
699501	MT48LC64M8A2TG-75:C♣	TSOP-54	16M x 8	100MHz, 6ns	45.35	43.99	41.68

Flash Memory

. idoii							
Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
375929	AT29LV256-15JC€	PLCC-32	32k x 8	150ns, 3V, Comtemp	\$4.39	\$3.74	\$3.70
242552	29С512-12€	DIP-32	64k x 8	120ns, 5V	5.25	4.46	4.15
242561	29F512-90	DIP-32		90ns, 5V		3.89	3.59
375785	AT49BV512-12JC€	PLCC-32	64k x 8	120ns, 2.7V, Comtemp	4.25	4.15	4.05
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	5.49	4.12	3.66
376075	AT29C010A-70JC ⊕ €	₱PLCC-32	128k x 8	70ns, 5V	2.35	2.15	2.12
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	3.95	3.65	3.15
242595	29F010-90⊕	DIP-32	128k x 8	90ns, 5V	5.35	4.34	3.61
242608	29F010-70⊕	DIP-32	128k x 8	70ns, 5V	6.09	5.18	3.88
375953	AT29LV010A-15JC	PLCC-32	128k x 8	150ns, 3V, 8k boot block, C-temp	2.39	2.23	2.07
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	7.95	7.15	6.45
376121	AT29C020-90JI	PLCC-32	256k x 8	90n, 5V, I-temp	3.39	3.10	3.05
242616			_	120ns, 5V		5.15	4.95
375988	AT29LV020-20JC ⊕ €	PLCC-32	256k x 8	200ns, 3V, Comtemp	3.39	3.14	3.10
375814	AT49BV002A-70JI €	PLCC-32	256k x 8	70ns, 2.7V, 16k boot block, I-temp	1.65	1.58	1.50
376366	AT49F002ANT-55JI€	PLCC-32	256k x 8	55ns, 5V, 16k boot block, I-temp.	2.05	1.91	1.77
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	8.95	8.65	8.25
242667				90ns, 5V		8.60	8.15
375996	AT29LV040A-15JC	PLCC-32	512k x 8	150ns, 3V	4.39	4.20	4.10
375911	AT49BV040A-70JI€	PLCC-32	512k x 8	70ns, 2.7V, 16k boot block, I-temp	1.79	1.76	1.73
277288	29F800-120	DTSOP-48	1M x 8	120ns, 5V	3.25	3.12	2.95



MT48LC8M8A2TG-75:G♠

For more ST Micro NVRAM

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
698429	M48T02-150PC1♠	DIP-24	2k x 8	5V, 150ns, 16kbit timekpr SRAM	\$12.65	11.94	10.85
698437	M48T08-150PC1♣	DIP-28	8k x 8	5V, 150ns, 64kbit timekpr SRAM	15.79	14.55	13.73
698445	M48T12-150PC1♠	DIP-24	2k x 8	5V, 150ns, 16kbit timekpr SRAM	12.65	11.75	10.85
698453	M48T18-150PC1♠	DIP-28	8k x 8	5V, 150ns, 64kbit timekpr SRAM	15.79	14.55	13.73
698461	M48T35AV-10MH1E ₹ ♠	SOIC-28	32k x 8	3.3V, 10ns, 256kbit timekpr SRAN	14.35	13.94	13.54
698470	M48T35AV-10PC1♣	DIP-28	32k x 8	3.3V, 10ns, 256kbit timekpr SRAN	16.79	15.52	13.78
698488	M48T35Y-70PC1♠	DIP-28	32k x 8	5V, 70ns, 256kbit timekpr SRAM	14.45	13.68	12.90

TSOP-54 8M x 8 133MHz, 7.5ns













🗷 RoHS compliant product 🕒 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Blue Part No. = Limited Quantity Available 🖈 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

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Lega	acv	DR	RAM

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41662	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	\$.59	\$.53	\$.48
41574	41464-10♣	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
41398	41256-120	DIP-16	256k x 1	120ns (MB81256-12)	73	.62	.47
42315	514256P-80			80ns (UPD424256-80)			
93374	514256P-70			70ns (TC514256P-70)			
128688	HM514260	SOJ	256k x 16	70ns	3.39	3.05	2.75
42219	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	2.59	2.33	2.10
♣ Pull = Ex	xtra Savings						

Legacy Memory Modules

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
148419	16MBX64SDRAM	128MB	1 10ns Syn. DRAM DIMM	16M x 64	168	\$65.95	\$59.95
148451	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	30.95	28.95
148460	8MBX36-60 ⊕	32MB	60ns SIMM	8M x 36	72	40.95	30.71
148443	JEED07232	32MB	60ns SIMM EDO	8M x 32	72	43.95	32.96
130729	JEED07208	8MB	60ns SIMM EDO	2M x 32	72	3.95	3.58
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	4.95	3.71

Static RAM

Part No.	Cross Ref.	Pkg.	Config.	Description 1	10	100
38931	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns \$1.69	\$1.55	\$1.35
42198	5101♣	DIP-22	256 x 4	1-Kbit, 5V, 450ns 7.99	7.19	6.49
38957	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns 2.29	1.99	1.79
43238	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns 3.95	3.65	3.35
38973	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns 2.49	2.09	1.89
38981	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.05	1.85
392243	CY7C131-55JC	PLCC-52	1k x 8	8-Kbit, 5V, 55ns 5.75	4.89	3.67
392462	CY7C4225V-15ASC⊕	STQFP-64	1k x 18	18-Kbit, 3.3V, 15ns Synch. FIFO . 17.79	17.61	17.42
38746	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.73	.66
698517	M48Z02-200PC1♠	DIP-24	2k x 8	16-Kbit, 5V, 200ns, zero power 7.15	6.79	6.39
114260	DS1220Y-150⊕	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV SRAM 11.95	10.95	9.85
698509	M48Z02-150PC1	DIP-24	2k x 8	16-Kbit, 5V, 150ns, zero power 8.75	7.99	7.24
698533	M48Z12-150PC1♠	DIP-24	2k x 8	16-Kbit, 5V, 150ns, zero power 9.35	8.54	7.73
25911	MK48Z02B-15⊕	DIP-24	2k x 8	16-Kbit, 5V, 150ns 7.25	6.70	6.35
42809	6116P-3♣	DIP-24	2k x 8	16-Kbit, 5V, 150ns 1.49	1.29	1.09
42753	6116LP-3♣	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP 1.95	1.75	1.59
38738	2016-12	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.06	.80
42796	6116P-2♣	DIP-24	2k x 8	16-Kbit, 5V, 120ns 1.59	1.39	1.29
42788	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns 1.69	1.49	1.39
42737	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP 1.99	1.79	1.65
242675	6116-70	DIP-24	2k x 8	16-Kbit, 5V, 70ns 2.09	1.78	1.33
242712	CY7C128A-15⊕ €	DIP-24	2k x 8	16-Kbit, 5V, 15ns, Async 4.15	3.53	2.65
242704	CY7C128A-25	DIP-24	2k x 8	16-Kbit, 5V, 25ns, Async	1.61	1.45
242691	CY7C128A-35	DIP-24	2k x 8	16-Kbit, 5V, 35ns, Async. \$3.6 ⁵ 1.95	1.74	1.56
392446	CY7C4235V-15ASC	STQFP-64	2k x 18	36-Kbit, 3.3V, 15ns, Synch. FIFO 16.59	16.34	16.08
392294	CY6264-70SNC⊕	SOIC-28	8k x 8	64-Kbit, 5V, 70ns 3.09	2.63	1.97
85121	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP 3.39	3.05	2.75
42884	6264LP-10♣	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP 2.75	2.49	2.25
42921	6264P-10♣	DIP-28	8k x 8	64-Kbit, 5V, 100ns 2.59	2.05	1.99
698525	M48Z08-100PC1♠	DIP-28	8k x 8	64-Kbit, 5V, 100ns, zero power 11.75	11.05	10.65
698541	M48Z18-100PC1♠	DIP-28	8k x 8	64-Kbit, 5V, 100ns, zero power 10.95	10.25	9.55
42892	6264LP-12♣	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP 2.79	2.49	2.19
42930	6264P-12♣	DIP-28	8k x 8	64-Kbit, 5V, 120ns 2.65	2.39	2.15
114278	DS1225AB-150⊕	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV SRAM 15.99	12.65	9.89
114307	DS1225Y-200⊕	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV SRAM 15.95	14.49	11.65
242341	CY7C185-25 ⊕	DIP-28	8k x 8	64-Kbit, 5V, 25ns Async 2.59	2.05	1.79
242333	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async 3.29	2.80	2.10
242499	DS1230Y-70⊕	DIP-28	32k x 8	256-Kbit, 5V, 70ns, NV SRAM 19.85	15.35	12.75
177113	DS1230Y-100⊕	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV SRAM 15.75	14.60	11.75
114323	DS1230Y-150⊕	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV SRAM 20.25	17.10	10.25
41970	43256-10L ♣	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP 5.49	4.99	4.49
41988	43256-12L♣	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP 4.99	4.49	4.09

Static RAM (Cont.)

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
242376	CY7C199P-35⊕	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Asynch.	\$1.99	\$1.69	\$1.27
75037	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	. 3.39	2.99	2.69
82472	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	. 4.95	4.50	4.05
391793	CY62256L-70PC⊕	DIP-28	32k x 8	256-Kbit, 5V, 70ns	. 2.85	2.42	1.82
391814	CY62256L-70SNC€	SOIC-28	32k x 8	256-Kbit, 5V, 70ns	. 2.55	2.05	1.65
391822	CY62256LL-70PC⊕	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	. 2.85	2.30	1.80
391890	CY62256LL-70SNC⊕	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	. 2.85	2.42	1.82
391945	CY62256LL-70ZC	TSSOP-28	32k x 8	256-Kbit, 5V, 70ns, LP	. 2.85	2.42	1.82
391865	CY62256VLL-70ZC	TSSOP-28	32k x 8	256-Kbit, 3V, 70ns, LP	. 2.05	1.74	1.38
279814	62256S-70 ⊕	SOJ-28	32k x 8	256-Kbit, 5V, 70ns	. 1.99	1.79	1.61
42876	62256LP-85⊕	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	. 3.09	2.49	1.99
42833	62256LP-10♣	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	. 3.75	3.20	2.40
42850	62256LP-12♣	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	. 3.89	3.49	3.19
391857	CY7C1399B-12VC	SOJ-28	32k x 8	256-Kbit, 3.3V, 12ns, Asynch	. 1.55	1.50	1.48
279831	CY7C199-25V	SOJ-28	32k x 8	256-Kbit, 5V, 25ns, Asynch	. 1.65	1.39	1.05
392382	CY7C464A-15JC	PLCC-32	32k x 9	256-Kbit, 5V, 15ns, Asynch. FIFO	27.09	26.62	26.14
693935	M5M5258P-35	DIP-24	64k x 4	256-Kbit, 5V, 35ns	. 1.95	1.75	1.59
391873	CY7C1021CV33-12VC�	SOJ-44	64k x 16	1-Mbit, 3.3V, 12ns, Asynch	. 2.35	2.00	1.90
391929	CY7C1021BV33L-15ZC	TSSOP-44	64k x 16	1-Mbit, 3.3V, 15ns,LP Asynch.	. 3.29	2.80	2.76
391831	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	. 2.45	2.05	1.85
391996	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	. 2.85	2.30	2.10
279873	628128S-70 ⊕	SOP-32	128k x 8	1-Mbit, 5V, 70ns	. 2.49	2.19	1.89
131810	628128LP-70⊕	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	. 8.99	7.39	6.69
103982	628128LP-85♣	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	. 8.49	7.22	5.41
391902	CY7C1019CV33-12VC	SOJ-32	128k x 8	1-Mbit, 3.3V, 12ns, Asynch	. 2.55	2.05	1.90
392251	CY7C1009B-15VC⊕ �	SOJ-32	128k x 8	1-Mbit, 5V, 15ns, Asynch	. 3.55	2.86	2.25
392358	CY7C1041CV33-12ZC⊕	TSSOP-44	256k x 16	1-Mbit, 3.3V, 12ns, Asynch	. 4.35	4.00	3.77
280031	CY7C1041B-15V⊕	SOJ-44	256k x 16	4-Mbit, 5V, 15ns, Asynch. \$8:0	97.09	6.73	6.40
392198	CY7C1041B-15ZC❖	TSSOP-44	256k x 16	4-Mbit, 5V, 15ns, Asynch	. 4.69	4.59	4.49
157358	628512LP-70⊕	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	18.99	16.99	16.19
280049	628512S-70 ⊕			4-Mbit, 5V, 20ns, Asynch		4.95	4.45
280065	CY7C1049B-20V ❖	SOJ-36	512k x 8	4-Mbit, 5V, 70ns, Asynch	. 9.39	8.56	7.79
♣ Pull = Ext	ra Savings 🛛 🕻 🛭	Blue Part	No. = Limite	d Quantity Available			

PALs and GALs

Part No.	Cross Ref.	Pkg.	Description 1	10	100
28020	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array \$2.25	\$1.75	\$1.31
652615	16V8-7	DIP-20	7ns 64 x 32 AND array 3.25	2.49	2.25
88399	16V8-10⊕*	DIP-20	10ns 64 x 32 AND array 1.99	1.79	1.59
37452	16V8-15⊕*	DIP-20	15ns 64 x 32 AND array 1.39	1.25	1.12
37461	16V8-25*	DIP-20	25ns 64 x 32 AND array 1.25	1.09	.99
105953	18CV8P-25	DIP-20	25ns 2.25	1.99	1.79
88292	20V8-10⊕**	DIP-24	10ns 64 x 40 AND array	1.57	1.18
38658	20V8-15⊕**	DIP-24	15ns 64 x 40 AND array 1.55	1.25	1.15
38666	20V8-25**	DIP-24	25ns 64 x 40 AND array 1.69	1.49	1.39
105996	22CV10AP-25	DIP-24	25ns	2.20	1.65
123801	22V10-10	DIP-24	10ns 132 x 44 AND array 5.49	4.99	4.49
39159	22V10-15	DIP-24	15ns 132 x 44 AND array 4.49	3.95	3.55
39167	22V10-25	DIP-24	25ns 132 x 44 AND array 3.99	3.49	3.09

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs $\,$

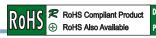
* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12H6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

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Part No.	Cross Ref.	Pkg.	Description		I 10	100
846559	ATF16V8BQL-15JI♠	PLCC-20	15ns, 10 inputs, 8 I/O, I-ter	mp, qtr pwr \$2.3	\$1.98	\$1.82
846575	ATF16V8BQL-15JU ≉ ♠	PLCC-20	15ns, 10 inputs, 8 I/O, I-ter	mp, qtr pwr 2.1	1.74	1.54
846604	ATF16V8BQL-15PC♠	DIP-20	15ns, 10 inputs, 8 I/O, C-te	mp, qtr pwr 1.43	.97	.93
846639	ATF16V8BQL-15PI♠	DIP-20	15ns, 10 inputs, 8 I/O, I-ter	mp, qtr pwr 2.1	2.03	1.89
846559	ATF16V8BQL-15JI♠	PLCC-20	15ns, 10 inputs, 8 I/O, I-ter	mp, qtr pwr 2.3	1.98	1.82
846575	ATF16V8BQL-15JU ≈ ₫	PLCC-20	15ns, 10 inputs, 8 I/O, I-ter	mp, qtr pwr 2.1	1.74	1.54

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44898	74HCT04N⊕	DIP-14	Quad 2-input NOR gate	*	.158	.118
381173	74HCT04T⊕	TSSOP-14	Quad 2-input NOR gate	*	.125	.094
44901	74HCT08N⊕	DIP-14	Quad 2-input AND gate	29	.223	.167
381190	74HCT08T⊕	TSSOP-14	Quad 2-input AND gate	*	.125	.094
618046	74HCT10⊕	DIP-14	Triple 3-input NAND gate	34	.279	.218
618054	74HCT11N⊕	DIP-14	Triple 3-input NAND gate	44	.349	.265
44935	74HCT14N⊕	DIP-14	Hex Schmitt trigger inverter	23	.20	(.15)
381237	74HCT14T⊕	TSSOP-14	Hex Schmitt trigger inverter	*	.141	.118
381333	74HCT32T⊕	TSSOP-14	Quad 2-input OR gate	*	.125	.094
45137	74HCT74N ↔	DIP-14	Dual D-type pos. edge trig F-F w/ clear & preset	.26	.224	.168
44927	74HCT138N ⊕	DIP-16	3-to-8 decoder/demultiplexer	33	.282	.212
381211	74HCT138T⊕	TSSOP-16	3-to-8 decoder/demultiplexer	24	.204	.153
63773	74HCT139N⊕	DIP-16	2-to-4 decoder/demultiplexer	30	.266	.21
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45022	74HCT244N ↔	DIP-20	Octal buffer/line driver w/ 3-st. output	.31	.28	.25
381270	74HCT244T⊕	TSSOP-20	Octal buffer/line driver w/ 3-st. output	.25	.213	(.16)
45031	74HCT245N ↔	DIP-20	Octal bus trans. w/ 3-state output	34	.29	(.22)
381296	74HCT245T⊕	TSSOP-20	Octal bus trans. w/ 3-state output	25	.213	(.16)
45049	74HCT273N ↔	DIP-20	Octal D-type flip-flop w/ clear	29	.257	.193
381317	74HCT273T⊕	TSSOP-20	Octal D-type flip-flop w/ clear	25	.213	.16
45065	74HCT373N ↔	DIP-20	Octal transparent D-type latch w/ 3-st. outpu	t *	.158	.12
381376	74HCT374T⊕	TSSOP-20	Octal D-type F-F edge trig. w/ 3-st. output	25	.213	(.16)
381421	74HCT541T⊕	TSSOP-20	Octal buffer/line driver w/ 3-st. NOR gate enable	d .26	.221	.166
45090	74HCT573N⊕	DIP-20	Octal transparent D-type latch w/ 3-st. outpu	.35	.30	.23
381448	74HCT573T⊕	TSSOP-20	Octal transparent D-type latch w/ 3-st. outpu	.26	.221	.168
250940	SN74HCT574N⊕	DIP-20	Octal D-type F-F w/ 3-st. output flow thru (TI	.45	.383	.287
45129	74HCT688N⊕	DIP-20	8-bit magnitude comparator		.43	.322

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58	.118	48021
25	.094	48039
23	.167	48063
25	(.094)	48071
79	.218	295742
49	.265	48098
0	.15	295751
41	.118	48119
25	.094	295769
24	.168	48143
82	.212	48151
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66	.21	48178
1	.61	46412
8	.25	46421
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74LS Series

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283741	SN74LS02N⊕	DIP-14	Quad 2-input NOR gate (TI)	.43	.328	.248
46308	74LS03N⊕	DIP-14	Quad 2-input NAND gate (O.C.)	.41	.33	.25
46316	74LS04N⊕**	DIP-14	Hex inverter	.41	.26	.23
283792	SN74LS04N⊕	DIP-14	Hex inverter (TI)	.45	.364	.276
46341	74LS05N⊕*	DIP-14	Hex inverter (O.C.)	.41	.332	.252
46359	74LS06N⊕	DIP-14	Hex inverter buffer/driver (O.C.)	.74	.62	.50
46367	74LS07N⊕	DIP-14	Hex buffer/driver (O.C. hi-voltage)	.55	.469	.351
46375	74LS08N⊕**	DIP-14	Quad 2-input AND gate	.37	.307	.23
295401	SN74LS08N⊕	DIP-14	Quad 2-input AND gate (TI)	.45	.364	.276
46391	74LS09N⊕	DIP-14	Quad 2-input AND gate (O.C.)	.52	.365	.277
46404	74LS10N⊕*	DIP-14	Triple 3-input NAND gate	.38	.25	.23
295427	SN74LS10N⊕	DIP-14	Triple 3-input NAND gate (TI)	.45	.383	.287
46439	74LS11N*	DIP-14	Triple 3-input AND gate	.35	.26	.22
46640	74LS14N⊕*	DIP-14	Hex inverter Schmitt trigger	.37	.299	.227
295460	SN74LS14N⊕	DIP-14	Hex inverter Schmitt trigger (TI)	.39	.332	.249
47095	74LS20N⊕*	DIP-14	Dual 4-input NAND gate	.28	.191	.185
47108	74LS21N⊕	DIP-14	Dual 4-input AND gate	.26	.224	.168
47378	74LS27N⊕	DIP-14	Triple 3-input NOR gate	.25	.21	.158
47458	74LS30N⊕*	DIP-14	8-input NAND gate	.25	.221	.166
47466	74LS32N⊕**	DIP-14	Quad 2-input OR gate	.29	.26	.23
295515	SN74LS32N⊕	DIP-14	Quad 2-input OR gate (TI)	.31	.264	.198
295558	SN74LS37N⊕	DIP-14	Quad 2-input NAND gate buffer (TI)	.59	.502	.377
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47790	74LS47N⊕*	DIP-16	BCD-to-7 segment decoder/driver (O.C.)	.72	.52	.45
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Description

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	48021	74LS75N⊕*	DIP-16	4-bit bi-stable latch	.86	.73	.66
기	48039	74LS76N	DIP-16	Dual JK flip-flop with preset & clear	.83	.68	.61
	48063	74LS83N	DIP-16	4-bit binary full adder	1.49	1.35	1.19
	48071	74LS85N⊕*	DIP-16	4-bit magnitude comparator	.42	.382	.345
	295742	SN74LS85N⊕	DIP-16	4-bit magnitude comparator (TI)	.46	.419	.363
	48098	74LS86N⊕*	DIP-14	Quad EXCLUSIVE-OR gate		.30	.22
	295751	SN74LS86N⊕	DIP-14	Quad EXCLUSIVE-OR gate (TI)		.324	.238
	48119	74LS90N⊕*	DIP-14	Decade counter		.72	.62
	295769	SN74LS90N⊕		Decade counter (TI)		1.19	1.09
Ы	48143	74LS92N ⊕	DIP-14	Divide-by-12 counter		.88	.80
	48151	74LS93N⊕*	DIP-14	•		.79	.70
				4-bit binary counter			
	295822	SN74LS93N⊕		4-bit binary counter (TI)		.85	.76
	48178	74LS95N	DIP-14	4-bit parallel-access shift register		.91	.79
	46412	74LS107N⊕	DIP-14	Dual JK flip-flop with clear		.51	.36
	46421	74LS109N⊕	DIP-16	Dual JK pos. edge-trig. flip-flop		.56	(.42)
	46447	74LS112N⊕	DIP-16	Dual JK neg. edge-trig. flip-flop	39	.299	.227
	46471	74LS122N⊕	DIP-14	Retrig. mono. multivibrator comm. CLK	.46	.35	.27
	46480	74LS123N⊕*	DIP-16	Dual mono. multivibrator with clear .	.37	.319	.239
	300880	SN74LS123N⊕	DIP-16	Dual mono. multivibrator w/ clear (TI)	.41	.349	.262
	46501	74LS125N⊕*	DIP-14	Quad bus buffer neg. enable tri-state	.33	.282	.212
	46527	74LS126N⊕	DIP-14	Quad bus buffer tri-state	.37	.345	(.259)
	46551	74LS132N⊕	DIP-14	Quad 2-input NAND Schmitt trigger		.333	.249
1	46586	74LS136N⊕	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)		.40	(.30)
	46607	74LS138N ⊕**		3-to-8 decoder/demultiplexer		.368	.276
기	301233	SN74LS138N⊕		3-to-8 decoder/demultiplexer (TI)			.344
		74LS139N ⊕*		1 ' '		.459	
기	46623	_		2-to-4 decoder/demultiplexer		.291	.239
	46666	74LS145N ↔		BCD-to-decimal decoder/driver (O.C.)	.73	.55	.423
	46682	74LS148N ⊕		8-to-3 priority encoder		.432	(324)
	46703	74LS151N ⊕*		8-input multiplexer		.349	.269
	46720	74LS153N ⊕		Dual 4-to-1 selector/multiplexer	.41	.35	.26
	46738	74LS154N ⊕	DIP-24	4-to-16 line decoder/demultiplexer	5.15	4.59	3.69
	46754	74LS155N⊕*	DIP-16	Dual 2/4 demultiplexer	.85	.72	.54
	301591	SN74LS156N⊕	DIP-16	Dual 2/4 demultiplexer (O.C.) TI	.39	.332	.249
	46771	74LS157N⊕*	DIP-16	Quad 2/1 data selector	.45	.40	.30
	46800	74LS160N	DIP-16	Decade counter with asynch. clear	2.49	2.39	2.29
	46818	74LS161N⊕	DIP-16	Synch 4-bit counter	.46	.349	(.262)
	46842	74LS163N⊕	DIP-16	Fully synch. 4-bit counter	.46	.349	.265
	46851	74LS164N⊕	DIP-14	8-bit serial shift register		.36	.262
	46877	74LS165N	DIP-16	8-bit serial shift register, parallel load	.34	.343	.258
	46885	74LS166N⊕	DIP-16	8-bit shift register, parallel load		.54	(.41)
	46906	74LS169N⊕	DIP-16	Synch. binary up/down counter		.47	(.35)
		_		7 .			\simeq
	46922	74LS173N⊕	DIP-16	4-bit D-type reg. tri-state		.80	(.60)
	46931	74LS174N⊕*		Hex D flip-flop with clear		.299	.224
	46957	74LS175N⊕*		Quad D flip-flop with clear		.322	.242
1	46973	74LS181N ⊕	DIP-24	Arithmetic logic unit/function gen		1.80	1.22
	46990	74LS190N	DIP-16	Synchronous up/down counter		2.65	2.55
	47001	74LS191N⊕	DIP-16	Up/down binary counter	.53	.44	.42
1	47010	74LS192N	DIP-16	Decade up/down counter w/ clear	3.95	3.59	3.25
	47036	74LS193N⊕*	DIP-16	Binary up/down counter w/ clear	.59	.49	.45
1	301831	SN74LS193N⊕	DIP-16	Binary up/down counter w/ clear (TI)	.64	.544	.408
	47052	74LS194N⊕	DIP-16	4-bit bi-directional shift register	.74	.63	.50
	301858	SN74LS194N⊕	DIP-16	4-bit bi-directional shift register (TI)	.81	.69	.517
	47061	74LS195N⊕	DIP-16	4-bit parallel-access shift register	1.09	.92	(.69)
.	47124	74LS221N⊕	DIP-16	Dual monostable multivibrator		.267	.25
	47141	74LS240N*	DIP-20	Octal invert. line driver tri-state		.34	.255
	47167	74LS241N⊕	DIP-20	Octal bus/line driver tri-state		.299	.23
	47183	74LS244N⊕*		Octal driver tri-state		.37	.28
	308312	SN74LS244N⊕		Octal driver tri-state (TI)		.40	.331
	47212	74LS245N⊕*		Octal bus transceiver tri-state			
		74LS245N⊕** SN74LS245N⊕				.40	.35
	308321 *10 pcs in 741			Octal bus transceiver tri-state (TI)		.493	(.37)
	io pcs. In 741	S series IC cabi	iici kii, pg 1	8 **20 pcs. in 74LS series IC cabin	ierkit, p	J 10	
Dr	HS versions Ad	ld an "D" hoforo	nart numbo	r for DoHS version Details on page 1			

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74LS, 74ALS, 74ABT & 4000 Series Standard Logic

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74LS Series (Continued)

	71100 (00				
Part No.	Cross Ref.	Pkg.	Description 1	10	
47247	74LS247N⊕	DIP-16	BCD to 7-segment decoder/driver (0.C.) \$.94	\$.80	\$.60
47271	74LS251N ⊕	DIP-16	8-channel multiplexer tri-state	.398	.299
47298	74LS257N⊕	DIP-16	Quad 2-input multiplexer	.59	.443
47327	74LS259N	DIP-16	8-bit addressable latch39	.353	.265
47360	74LS266N⊕	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)65	.498	.378
47386	74LS273N⊕*	DIP-20	Octal D-type flip-flop with clear49	.392	.303
308398	SN74LS273N⊕	DIP-20	Octal D-type flip-flop with clear (TI)58	.493	.37
47407	74LS279N⊕	DIP-16	Quad set-rest latches	.425	.319
47423	74LS283N	DIP-16	4-bit binary full add with fast carry53	.453	.339
47440	74LS299N⊕	DIP-20	8-bit universal shift/storage register93	.79	.59
47546	74LS365N⊕	DIP-16	Hex buffer with logical OR tri-state78	.66	.495
47562	74LS367N⊕	DIP-16	Hex buffer tri-state	.38	.263
47600	74LS373N⊕*	DIP-20	Octal D flip-flop tri-state45	.39	.35
308460	SN74LS373N⊕	DIP-20	Octal D flip-flop tri-state (TI)49	.421	.378
47634	74LS374N⊕*	DIP-20	Octal D flip-flop edge-trig. tri-state45	.39	.34
308478	SN74LS374N⊕	DIP-20	Octal D flip-flop edge-trig. tri-state (TI) .49	.417	.313
47669	74LS377N⊕	DIP-20	Octal D register common enable37	.24	.18
47722	74LS390N⊕	DIP-16	Dual 4-bit decade counter	.59	.44
47731	74LS393N ↔	DIP-14	Dual 4-bit binary counter54	.46	.34
308515	SN74LS540N⊕	DIP-20	Octal invert. buffer/line driver tri-state (TI) .89	.77	.57
47861	74LS540N ↔	DIP-20	Octal invert. buffer/line driver tri-state .82	.71	.524
47870	74LS541N⊕	DIP-20	Octal buffer/line driver tri-state67	.57	.46
64418	74LS573N	DIP-20	Octal D-type flip-flop latch tri-state 2.05	1.85	1.55
64426	74LS574N⊕	DIP-20	Octal D-type flip-flopedge-trig. tri-state 2.15	1.89	1.69
47909	74LS590N⊕	DIP-16	8-bit binary counter w/o reg. tri-state 4.55	4.06	3.01
103974	74LS595N⊕	DIP-16	8-bit serial-to-parallel shift reg. tri-state 5.25	4.46	3.35
47950	74LS645N⊕	DIP-20	Octal bus transceiver tri-state (O.C.) \$1.591.08	.92	.69
309260	74LS682N⊕	DIP-20	8-bit magnitude comparator	.89	.67
47984	74LS688N⊕	DIP-20	8-bit magnitude comparator1.39	1.16	.89
*10 pcs. in 74	LS series IC cabi	net kit, belo	ow		

74LS Series IC Kit

SAVE \$66

20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 209 and 30 adhesive labels for drawers to identify parts in kit 10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30,

74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	VVT. (IDS.)	10
84961	420 pcs. 74LS IC kit	6.7 \$119.95	\$107.95
130391	Refill for 84961 (420 pcs.)	2.0 99.99	91.83

74ALS Series

Part No.	Cross Ref.	Pkg.	Description	1	10	100
309905	74ALS02AM⊕	SOIC-14	Quad 2-input NOR gates	. \$.29	\$.243	\$.182
245286	74ALS05AN↔	DIP-14	Hex inverters w/ open collector outputs	32	.272	.204
245323	74ALS11AN⊕	DIP-14	Triple 3-input AND gates	44	.374	.28
309614	74ALS138N⊕	DIP-16	3 to 8 line decoder/demultiplexer	46	.391	.293
310295	74ALS244AM⊕	SOIC-20	Octal 3-state bus drivers	39	.33	.249
245809	74ALS374AN⊕	DIP-20 ☎	Octal 3-st. D-type edge-trig. flip-flops	29	.25	.188
Blue Par	rt No. = Limited C	Quantity A	vailable			

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• Size: 6 0" v 8 5" · Weight: 2.6 lbs

3120. 0.	o x o.s weight	2.0 103.	
Part No.	Description	1	10
88225	TTL Logic Data Book	\$34.95	\$31.49

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			MEW * Minimu	m order !	5 pieces
Part No.	Cross Ref.	Pkg.	Description 1	5	50
830223	SN74ABT125DG4 ₹ ♠	SOIC-14	Quad bus buffer gates w/ 3-state *	\$.24	\$.22
830240	SN74ABT125PWG4 ₹ ♠	TSSOP-14	Quad bus buffer gates w/ 3-state	.60	.517
911461	SN74ABT126D	SOIC-14	Quad bus buffer gates w/ 3-state *	.34	.304
830266	SN74ABT126N ₹ ♠	DIP-14	Quad bus buffer gates w/ 3-state61	.466	.353
830282	SN74ABT126PW ₹♠	TSSOP-14	Quad bus buffer gates w/ 3-state68	.60	.517
911496	SN74ABT162245DL♣	SSOP-48	16-bit bus transceiver w/ 3-state 1.16	.98	.78
830303	SN74ABT16240ADL	SSOP-48	16-bit bus driver/buffer w/ 3-state 1.16	.98	.78
911568	SN74ABT16245ADL♠	SSOP-48	16-bit bus transceivers w/ 3-state 1.16	.98	.78
830320	SN74ABT16543DL ₹ ♠	SSOP-56	16-bit registered trans. w/ 3-state 1.46	1.18	1.04
830338	SN74ABT16601DL ₹ ♠	SSOP-56	18-bit universal bus trans. w/ 3-state 5.29	4.99	4.68
830346	SN74ABT16623DL ₹ ♠	SSOP-48	16-bit bus transceivers w/ 3-state 4.29	3.44	3.36
830362	SN74ABT16640DL	SSOP-48	16-bit bus transceivers w/ 3-state 5.49	5.16	4.83
830389	SN74ABT16821DL ₹ ♠	SSOP-56	20-bit bus interface F-F w/ 3 state 3.29	2.65	2.59
830400	SN74ABT16823DL ≈ ♠	SSOP-56	18-bit bus interface F-F w/ 3-state 2.29	1.85	1.44
830426	SN74ABT16952DL♣	SSOP-56	16-bit registered trans. w/ 3-state 3.15	2.58	2.09
911648	SN74ABT2245DW ₹ ♠	SOIC-20	Octal trans./line/MOS drvrs w/ 3-state85	.64	.485
830442	SN74ABT241ADW ₹ ♠	SOIC-20	Octal bus driver/buffer w/ 3-state85	.64	.485
911710	SN74ABT244APW ₹ ♠	TSSOP-20	Octal buffer/driver w/ 3-state *	.417	.382
830469	SN74ABT245BPW ₹ ♠	TSSOP-20	Octal bus transceiver *	.378	.343
830514	SN74ABT273DWE4 ₹ ♠	SOIC-20	Octal edge trig. D-type F-F w/ clear77	.68	.59
830531	SN74ABT273N ₹ ♠	DIP-20	Octal edge trig. D-type F-F w/ clear77	.58	.441
830557	SN74ABT374ADW ₹ ♠	SOIC-20	Octal edge trig. D-type F-F w/ clear77	.58	.441
830573	SN74ABT574APW 欠 ♠	TSSOP-20	Octal edge trig. D-type F-F with clear77	.68	.59
830590	SN74ABT620DW ₹♠	SOIC-20	Octal bus transceiver w/ 3-state 1.31	1.10	.88
830611	SN74ABT623DW ₹ ♠	SOIC-20	Octal bus transceiver w/ 3-state 1.31	1.10	.88
830637	SN74ABT640DW ₹♠	SOIC-20	Octal bus transceiver w/ 3-state 1.31	1.10	.88
830653	SN74ABT640N ≈ ♠	DIP-20	Octal bus transceiver w/ 3-state 1.31	1.10	.88
830670	SN74ABT652ANT ₹♠	DIP-24	Octal registered trans. w/ 3-state 1.49	1.22	.91
830696	SN74ABT823DW 🕿 ♠	SOIC-24	9-bit bus interface F-F w/ 3-state 1.41	1.14	1.00
830717	SN74ABT843NTE4 ₹ ♠	DIP-24	9-bit bus interface F-F w/ 3-state 2.15	1.88	1.62
911787	SN74ABTE16245DL	SSOP-48	16-bit switching bus trans. w/ 3-state 7.85	7.42	6.98
830741	SN74ABTH16244DI 🌠 ♠	SSOP-48	16-bit buffer/driver w/ 3-state 1.16	.97	.78

4000 Series

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562	CD4001N⊕**	DIP-14	Quad 2-input NOR gates	3.32	\$.264	\$.209
675964	CD4002N	DIP-14	Dual 4-input NOR gates	.41	.336	.179
12597	CD4007N⊕	DIP-14	Dual comp. pair with inverter	.29	.25	.22
12634	CD4011N⊕**	DIP-14	Quad 2-input NAND gates	.29	.24	.19
675972	CD4012N	DIP-14	Dual 4-input NAND gates	.34	.295	.179
12677	CD4013N⊕**	DIP-14	Dual D flip-flops with set/reset	.35	.25	.22
197288	CD4013M⊕	SOIC-14	Dual D flip-flops with set/reset	.28	.209	.133
675981	CD4014N	DIP-16	8-stage static shift register	.28	.265	.17
12706	CD4015N⊕*	DIP-16	Dual 4-stage static shift registers	.31	.249	.207
13565	CD4518N⊕	DIP-16	Dual BCD up counters	.26	.25	.23
13581	CD4520N⊕	DIP-16	Dual binary up counters	.33	.25	.20
13602	CD4526N	DIP-16	Divide-by-N counter (binary)	.52	.46	.395
676422	CD4527N	DIP-16	BCD rate multiplier	.40	.333	.226
13611	CD4528N⊕	DIP-16	Dual monostable multivibrators 1	.08	.92	.69
676431	CD4532N	DIP-16	8-bit priority encoder	.39	.299	.169
676449	CD4536N	DIP-16	CMOS Programmable timer	.59	.448	.254
13653	CD4538N⊕*	DIP-16	Dual precision monostable multivibrators	.44	.37	.302
13688	CD4541N⊕	DIP-14	Oscillator/programmable timer	.30	.298	.241
676844	CD4541M	SOIC-14	Oscillator/programmable timer		.183	.145
13696	CD4543N⊕*	DIP-16	BCD to 7-segment decoder (LCD)		.273	.204
13709	CD4553N	DIP-16	3-digit BCD counter		2.66	2.39
354600	CD4555N ⊕	DIP-16	Dual 1-4 decoder/demultiplexers (H.O.)	.46	.391	(.293)
354618	CD4556N⊕	DIP-16	Dual 1-4 decoder/demultiplexers (L.O.)		.349	(.26)
13768	CD4584N⊕*	DIP-14	Hex Schmitt triggers	.39	.35	.29
676457	CD4724N	DIP-16	CMOS 8-bit addressable latch		.298	.196
676465	CD14538N	DIP-16	CMOS dual precision monostable multivib	.66	.498	.279
676473	CD40102N	DIP-16	8-st. preset. synch. down cntrs (2-decade BCD)		.66	.408
676481	CD40103N	DIP-16	8-st. preset. synch. down cntrs (8-bit binary)		.423	.33
44257	CD40106N⊕	DIP-14	Hex inverters Schmitt trigger (74C14)		.465	.42
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4000 Series (Continued)

1000	001103 (00		•			
Part No.	Cross Ref.	Pkg.	Description	1	10	100
676887	CD40106M	SOIC-14	CMOS Hex Schmitt trigger		\$.253	\$.213
676490	CD40107N	DIP-8	Dual 2-input NAND buffer/driver	44	.349	.198
354589	CD40109N⊕	DIP-16	Quad L to H volt. level shifters	51	.434	.326
676502	CD40110N	DIP-16	Decade up-down counter	1.23	1.00	.71
676511	CD40174N	DIP-16	HEX D-type flip flops	43	.324	.183
676529	CD40192N	DIP-16	Presettable up/down counter	46	.349	.196
676537	CD40193N	DIP-16	Presettable up/down counter	59	.448	.255
12722	CD4016N⊕*	DIP-14	Quad bilateral switches	28	.24	.18
676545	CD4016M	SOIC-14	Quad bilateral switches	36	.293	.152
12749	CD4017N⊕*	DIP-16	Decade counter/divider	39	.35	.32
197296	CD4017M⊕	SOIC-16	Decade counter/divider	36	.31	.233
12773	CD4018N⊕	DIP-16	Presettable divide-by-N counter	27	.232	.174
675999	CD4019N	DIP-16	Quad AND/OR select gates	32	.274	.17
12802	CD4020N⊕*	DIP-16	14-stage binary/ripple counter	49	.39	.29
12829	CD4021N⊕	DIP-16	8-stage static shift register	29	.25	.188
54666	CD4022N⊕	DIP-16	Div. by 8-cntr./driver w/ 8-decoded outputs	32	.30	.27
12845	CD4023N⊕*	DIP-14	Triple 3-input NAND gates	33	.249	.223
12853	CD4024N⊕*	DIP-14	7-stage binary counter	39	.299	.227
676748	CD4024M	SOIC-14	7-stage binary counter		.174	.16
676001	CD4025N	DIP-14	Triple 3-input NOR gates		.18	.132
353560	CD4026N	DIP-16	Decade counter/divider		.52	.45
12888	CD4027N⊕*	DIP-16	Dual JK master-slave flip-flops		.22	.16
12909	CD4028N⊕	DIP-16	BCD-to-decimal decoder		.266	.244
12925	CD4029N⊕	DIP-16	Presettable up/down counter		.282	.248
676019	CD4030N	DIP-14	Quad exclusive OR gates		.169	.128
12950	CD4040N⊕*	DIP-16	12-stage binary/ripple counter		.246	.184
197333	CD4040M⊕	SOIC-16	12-stage binary/ripple counter		.43	.323
676027	CD4041N	DIP-14	Quad true/complement driver		.60	.335
12984	CD4042N⊕	DIP-16	Quad clocked D latches		.232	(.174)
12992	CD4043N⊕	DIP-16	Quad NOR R-S latches tri-state		.249	.186
13004	CD4044N⊕	DIP-16	Quad 3-state NAND R-S latches tri-state .		.32	.26
13055	CD4049N⊕**	DIP-16	Hex/buffer/converters (inverting)		.24	.21
13071	CD4050N⊕*	DIP-16	Hex/buffer/converters (non-inverting) .		.244	.235
13071	CD4051N⊕ *	DIP-16	Single 8-channel multi./demultiplexer .		.39	.35
13119	CD4051N ⊕	DIP-16	Diff. 4-channel multi./demultiplexer		.26	.195
676756	CD4052N	SOIC-16	4-ch analog multi./demultiplexer		.379	.201
13127	CD4052W CD4053N⊕	DIP-16	Triple 2-channel multi./demultiplexers		.20	.183
676801	CD4053M	SOIC-16	Triple 2-ch analog multi./demultiplexer .		.284	.162
676035	CD4053W	DIP-16	4-segment LCD driver		.266	.102
676043	CD4054N CD4059N	DIP-10	CMOS prog. divide-by-N counter		1.66	1.24
13151	CD4059N CD4060N⊕	DIP-24	14-stage ripple-carry binary		.33	.25
676810	CD4060M	SOIC-16	14-stage ripple-carry binary cntr/divider/oscillate		.339	
676051	CD4060IVI CD4063N	DIP-16	4-bit magnitude counter		.339	.18 .251
			•			
13186	CD4066N⊕**		Quad bilateral switches		.25	.19
13215	CD4067N⊕	DIP-24	16-channel analog multi./demultiplexer		.72	(.54)
676060	CD4068N	DIP-14	8-input NAND/AND gates		.183	.121
13231	CD4069N⊕*	DIP-14	Hex inverters (74C04)	31	.264	.198

4000 Series (Continued)

* Minimum order 10 pie					
Part No.	Cross Ref.	Pkg.	Description 1	10	100
13274	CD4071N⊕*	DIP-14	Quad 2-input OR gates \$.32	\$.288	\$.259
676078	CD4072N	DIP-14	Dual 4-input OR gates	.286	.128
676086	CD4073N	DIP-14	Triple 3-input AND gates40	.379	.196
676406	CD4073M	SOIC-14	Triple 3-input AND gates45	.365	.196
676094	CD4075N	DIP-14	Triple 3-input OR gates45	.333	.196
676107	CD4077N	DIP-14	Quad exclusive NOR gates39	.281	.133
676414	CD4077M	SOIC-14	Quad exclusive NOR gates21	.20	.128
676115	CD4078N	DIP-14	8-input NOR/OR gates39	.238	.194
13354	CD4081N⊕*	DIP-14	Quad 2-input AND gates28	.26	.24
676123	CD4082N	DIP-14	Dual 4-input AND gates35	.30	.179
676131	CD4085N	DIP-14	Dual 2-wide 2-input AND/OR inverter gates53	.361	.296
676140	CD4089N	DIP-16	Binary rate multiplier	.68	.504
13400	CD4093N⊕*	DIP-14	Quad 2-input NANDs Schmitt trigger29	.25	.19
13426	CD4094N⊕	DIP-16	8-stage shift-and-store bus register28	.26	.23
676158	CD4502N	DIP-16	Strobed hex inverter/buffer *	.16	.13
676166	CD4504N	DIP-16	Hex voltage-level shifter49	.47	.281
13485	CD4510N⊕	DIP-16	BCD up/down counter39	.30	.23
13493	CD4511N⊕*	DIP-16	BCD to 7-seg. latch/decoder/driver69	.59	.49
13514	CD4512N⊕	DIP-16	8-channel data selector43	.323	.242
13522	CD4514N⊕	DIP-24	4-bit latch/4-16 line decoder94	.79	.64
13549	CD4516N⊕	DIP-16	Binary up/down counter50	.40	.30
*10 pcs. in	4000 series IC ca	binet kit, b	elow		

ON Semiconductor MC14000 Series

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Part No.	Cross Ref.	Pkg.	Description	1	5	50
67886	MC14001BCP◆	PDIP-14	Quad 2-input NOR gate	*	\$.244	\$.22
67958	MC14001BD ◆	SOIC-14	Quad 2-input NOR gate	*	.297	.267
67991	MC14001UBCP◆	PDIP-14	Quad 2-input NOR gate	*	.281	.234
91754	MC14011BCPG ₹♠	PDIP-14	Quad 2-input NAND gate	*	.213	.179
91771	MC14011BDG ₹♠	SOIC-14	Quad 2-input NAND gate	*	.301	.271
91826	MC14011UBCPG ₹ 4	PDIP-14	Quad 2-input NAND gate	*	.277	.249
91842	MC14011UBD◆	SOIC-14	Quad 2-input NAND gate	*	.158	.146
91869	MC14012BCPG ₹♠	PDIP-14	Dual 4-input NAND gate	*	.224	.189
68141	MC14013BCP◆	PDIP-14	Dual D-type flip-flop	*	.292	.265
68176	MC14013BD ◆	SOIC-14	Dual D-type flip-flop	*	.355	.269
91885	MC14014BCP◆	PDIP-16	8-bit static shift register	*	.34	.304
68256	MC14015BCP◆	PDIP-16	Dual 4-bit static shift register	*	.292	.269
58272	MC14016BCP◆	PDIP-14	Quad analog switch/multiplexer .	*	.236	.198
91893	MC14016BD ◆	SOIC-14	Quad analog switch/multiplexer .	*	.291	.265
91914	MC14017BCPG ₹ ♠	PDIP-16	Decade counter	*	.299	.252
58328	MC14017BD ◆	SOIC-16	Decade counter	*	.396	.355
58352	MC14018BCP◆	PDIP-16	Presettable divide-by-N counter .	*	.435	.355
8387	MC14020BCP◆	PDIP-16	14-bit binary counter	*	.36	.303
68416	MC14020BD ◆	SOIC-16	14-bit binary counter	*	.329	.30
8441	MC14021BCP◆	PDIP-16	8-bit static shift register	*	.286	.245
8467	MC14023BCP◆	PDIP-14	Triple 3-input NAND gate	*	.224	.189
91973	MC14023BDG ₹♠	SOIC-14	Triple 3-input NAND gate	*	.242	.198
68491	MC14024BCP◆	PDIP14	7-stage ripple counter	*	.357	.281
91990	MC14024BD ◆	SOIC-14	7-stage ripple counter	*	.38	.288
92010	MC14025BCPG ₹♠	PDIP-14	Triple 3-input NOR gate	*	.224	.189
68555	MC14025BD◆	SOIC-14	Triple 3-input NOR gate	*	.233	.21
68571	MC14027BCP◆	PDIP-16	Dual J-K flip-flop	*	.34	.309
68601	MC14027BD♠	SOIC-16	Dual J-K flip-flop	*	.281	.245
92036	MC14028BCP◆	PDIP-16	BCD-to- Decimal/Binary-to-Octal decoder		.258	.218
92052	MC14029BCPG ₹♠	PDIP-16	Binary / Decade up/down counter	52	.475	.426
92095	MC14040BCPG ₹ ♠	PDIP-16	12-bit binary counter	*	.31	.26
92108	MC14042BCPG ₹ ♠	PDIP-16	Quad transparent latch		.343	.289
68740	MC14043BCP◆	PDIP-16	CMOS MSI quad R-S latches		.366	.31
68774	MC14043BD ◆	SOIC-16	CMOS MSI quad R-S latches		.378	.333
68791	MC14044BCP♠	PDIP-16	CMOS MSI guad R-S latches		.337	.283
92124	MC14046BCPG ₹♠	PDIP-16	Phase-locked loop		.385	.31
			•			

MC14046BDW♠ SOIC-16 Phase-locked loop*

4000 Series CMOS IC Kit SAVE \$26

*10 pcs. in 4000 series IC cabinet kit, below

Includes:

20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 209 and 30 adhesive labels for drawers to identify parts in kit 10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024,

CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4056

Part No. Description Wt. (lbs.) 84970 300 pcs. 4000 series CMOS IC kit 6.1 \$79.95 \$73.67 130403 Refill for 84970 65.88 1.4 69.19







**20 pcs. in 4000 series IC cabinet kit, below

📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

84970

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

& 7400 Scires

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ON Semiconductor* MC14000 (Cont.)

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					* Minimu	m order i	nieces
Part No.	Cross Ref.	Pkg.	Description	NEW	* William 1	5	50 50
868889	MC14049BCP♠	PDIP-16		buffer		\$.32	\$.255
792141	MC14049BDG ₹♠	SOIC-16		buffer		.327	.293
868942	MC14049UBCP◆	PDIP-16	Hex inverter/	buffer	*	.331	.29
868977	MC14049UBD◆	SOIC-16	Hex inverter/	buffer	*	.19	.172
869021	MC14050BCP	PDIP-16	Non-inverting	g hex buffer	*	.309	.281
869048	MC14050BD◆	SOIC-16	Non-inverting	g hex buffer	*	.368	.279
869072	MC14051BCP◆	PDIP-16	8-ch multiple	exer/demultiplex	ers *	.296	.281
869101	MC14051BD	SOIC-16	8-ch multiple	exer/demultiplex	ers *	.369	.333
869144	MC14052BCP	PDIP-16	Dual 4-ch anal	og multi/demultiple	exer *	.372	.333
869187	MC14052BD ◆	SOIC-16	Dual 4-ch anal	og multi/demultiple	exer *	.369	.333
869216	MC14053BCP◆	PDIP-16	Triple 2-ch ana	ilog multi/demultip	lexer *	.369	.333
869241	MC14053BD ◆	SOIC-16	Triple 2-ch ana	ilog multi/demultip	lexer *	.369	.333
869291	MC14060BCP◆	PDIP-16	14-bit binary	counter & oscil	lator *	.327	.284
869321	MC14060BD ◆	SOIC-16	14-bit binary	counter & oscil	lator *	.256	.219
869355	MC14066BCP◆	PDIP-14	Quad analog sv	witch/Quad multipl	lexer *	.31	.284
792167	MC14066BDG ₹ ♠	SOIC-14	Quad analog sv	witch/Quad multip	lexer *	.281	.255
792183	MC14067BCPG ₹ ♠	PDIP-14	16-ch analog n	nultiplexer/demulti	plexer89	.82	.69
792204	MC14067BDW♠	SOIC-14	16-ch analog n	nultiplexer/demulti	plexer78	.70	.63
792221	MC14069UBCPG₹	PDIP-14	Hex inverter		*	.213	.179
869494	MC14069UBDG 欠 ♠	SOIC-14	Hex inverter		*	.15	.121
869523	MC14069UBDR2	SOIC-14	Hex inverter		53	.41	.299
869558	MC14070BCP	PDIP-14	CMOS SSI qua	nd exclusiver OR ga	ate *	.247	.229
792247	MC14070BCPG ₹♠	PDIP-14	CMOS SSI qua	nd exclusiver OR ga	ate*	.236	.198
869620	MC14070BD ◆	SOIC-14	CMOS SSI qua	nd exclusiver OR ga	ate *	.236	.198
869654	MC14071BCP◆	PDIP-14		t OR gate		.281	.245
792263	MC14071BCPG ₹ ♠	PDIP-14	Quad 2-input	t OR gate	*	.277	.249
869671	MC14071BD ◆	SOIC-14		t OR gate		.258	.231
869697	MC14073BCP	PDIP-14	Triple 3-inpu	t AND gate	*	.277	.249
792280	MC14076BCP◆	PDIP-16		register w/ 3-st.		.357	.312
869726	MC14077BCP◆	PDIP-14		ad exclusive NOI	Ü	.351	.27
869751	MC14077BD ◆	SOIC-14		ad exclusive NOI	-	.297	.24
869785	MC14081BCP♠	PDIP-14		t AND gate		.213	.179
869814	MC14081BD♠	SOIC-14		t AND gate		.194	.156
869849	MC14082BCP♠	PDIP-14		AND gate		.276	.199
792301	MC14093BCPG ₹ ♠	PDIP-14		NAND schmitt tr		.236	.198
869881	MC14093BD♠	SOIC-14	•	NAND schmitt tr		.194	.147
869929	MC14094BCP◆	PDIP-16		store register w/ :		.436	.334
792327	MC14094BD ◆	SOIC-16	-	store register w/ :		.34	.283
792343	MC14099BCP♠	PDIP-16 PDIP-14		sable latches		.62	.503
792360 869961	MC14106BCPG ₹♠ MC14106BD ♠	SOIC-14		triggertrigger		.357 .291	.304
792423	MC14174BCPG ₹ ♠	PDIP-16		ip-flop		.28	.236
870137	MC14174BCP ◆	PDIP-16	31	flip-flop		.292	.246
792440	MC14489BPE ₹ ♠			r LED display/lam		3.40	3.10
870153	MC14490DW ◆	SOIC-16		bounce eliminat		4.13	3.73
870170	MC14503BCP♠	PDIP-16		erting 3-state ou		.436	.391
792466	MC14503BD♠	SOIC-16		erting 3-state ou		.304	.274
870196	MC14504BCP ◆	PDIP-16		fter		.77	.63
870233	MC14504BD♠	SOIC-16		fter		.99	.85
792474	MC14511BCPG ₹♠	PDIP-16		g latch/decoder/		.475	.40
870276	MC14511BD ◆	SOIC-16		g latch/decoder/		.514	.384
870292	MC14512BCP◆	PDIP-16		ector		.377	.31
792491	MC14513BCP◆	PDIP-18	BCD-to-7 seg	g latch/decoder/	driver 1.55	1.25	.95
792511	MC14514BCP♣	PDIP-24		ent latch/4-to-16 li		1.29	1.16
870305	MC14516BCP♣	PDIP-16	Binary up/do	wn counter	*	.446	.376
792538	MC14517BCP♣	PDIP-16	Dual 64-bit s	tatic shift regist	er 1.41	1.29	1.16
870321	MC14518BCP♠	PDIP-16	Dual BCD up	counter	52	.475	.431
870348	MC14520BCP◆	PDIP-16	Dual binary u	up counter	52	.475	.417
070244	MC14E21DCDA	DDID 14	24 stage from	auchou counter	¥	111	27

MC14521BCP♠ PDIP-16 24-stage frequency counter*

MC14521BDG**₹** SOIC-16 24-stage frequency counter*

MC14528BCP♠ PDIP-16 Dual monostable multivibrator*

SOIC-16

with 24-stage binary ripple counter w/ 16-stages selectable by binary code

MC14526BCP♠ PDIP-16 Presettable 4-bit down counter52 .471

Dual monostable multivibrator *

PDIP-16 8-bit priority encoder54

				NEW	* Minimur	n order 5	pieces
Part No.	Cross Ref.	Pkg.	Description	INIEW	1	5	50
792597	MC14536BDWG ₹ ♠	SOIC-16	Programmal	ole timer*	\$.73	\$.67	\$.60
870495	MC14538BCPG ₹ ♠	PDIP-16	Dual prec ret	ttrig/reset mono r	multi *	.377	.318
870508	MC14538BD ◆	SOIC-16	Dual prec ret	ttrig/reset mono r	multi 66	.539	.408
792618	MC14538BDWG ₹ ♠	SOIC-16	Dual prec ref	ttrig/reset mono r	multi87	.75	.58
870532	MC14541BCP◆	PDIP-14	Programmal	ole timer**	*	.316	.27
870559	MC14541BD ◆	SOIC-14	Programmal	ole timer**	*	.317	.284
870591	MC14543BCP	PDIP-16		atch/dec./driver for		.383	.325
792634	MC14543BD ◆	SOIC-16	BCD-to-7 seg I	atch/dec./driver for	CD67	.485	.392
792642	MC14551BCP◆	PDIP-16	Quad 2-ch and	alog multi/demultip	exer 1.59	1.41	1.20
870639	MC14553BCP◆	PDIP-16	3-digit BCD	counter	1.65	1.48	1.23
870655	MC14555BCP◆	PDIP-16	Dual binary to	1-of-4 dec/demultipl	exer *	.388	.333
870671	MC14557BCP◆	PDP-16	1-to-64 bit var	iable length shift re	gister .90	.80	.73
870698	MC1455D ◆	SOIC-8	Monolithic ti	ming circuit	*	.204	.178
792677	MC1455DG ₹ ♠	SOIC-8	Monolithic ti	ming circuit	52	.473	.424
870719	MC14569BCP◆	PDIP-16	Prog. divide-by-l	N dual 4-bit binary/BCD	cntr 1.99	1.90	1.80
792693	MC14569BDW◆	SOIC-16	Prog. divide-by-l	N dual 4-bit binary/BCD	cntr 2.29	2.06	1.85
792714	MC14572UBCP◆	PDIP-16	Hex gate		*	.376	.319
792731	MC14572UBCPG	PDIP-16	Hex gate		*	.326	.274
870735	MC14584BCP	PDIP-14	Hex Schmitt	trigger	*	.27	.226
792757	MC14584BCPG ₹ ♠	PDIP-14	Hex Schmitt	trigger	*	.27	.226
870751	MC14584BD◆	SOIC-14	Hex Schmitt	trigger	*	.223	.188
870778	MC14584BDG ₹ ♠	SOIC-14	Hex Schmitt	trigger	*	.223	.188
870794	MC14584BDR2♠	SOIC-14	Hex Schmitt	trigger	54	.437	.331
870815	MC14585BCP◆	PDIP-16	4-bit magnit	ude comparator	*	.34	.296
792773	MC14585BCPG ₹ ♠	PDIP-16	4-bit magnit	ude comparator	*	.34	.296
* with	24-stage binary ripple	counter w/	16-stages sele	ctable by binary o	ode		

^{**} consists of 15-stage binary counter, integrated oscillator for use w/ external capacitor & 2 resistors, automatic power-on reset circuit, & output control logic

7400 Series

Part No.	Cross Ref.	Pkg.	Description 1	10	100
48979	7400N⊕**		Quad 2-input NAND gates		\$.48
49007	7400N O	DIP-14		.57	.54
			Quad 2-input NAND gates (O.C.)		
49015	7402N⊕*	DIP-14	Quad 2-input NOR gates	.62	.495
49040	7404N⊕**	DIP-14	Hex inverters	.53	.48
49074	7405N⊕*	DIP-14	Hex inverters (O.C.)69	.54	.405
49091	7406N⊕**	DIP-14	Hex inverter buffer/drivers (O.C.)52	.45	.40
49120	7407N⊕**	DIP-14	Hex buffer/drivers (O.C.)	.41	.36
49146	7408N*	DIP-14	Quad 2-input AND gates93	.69	.53
49189	7410N⊕*	DIP-14	Triple 3-input NAND gates44	.40	.29
295777	7411N	DIP-16	Triple 3-input AND gates 1.09	.98	.88
49402	7413N	DIP-14	Dual 4-input NAND gates Schmitt trigger 1.25	1.12	1.01
49437	7414N⊕*	DIP-14	Hex inverters Schmitt trigger	.64	.58
49630	7416N⊕*	DIP-14	Hex inverter buffer/drivers (O.C.)57	.48	.36
49728	7417N⊕*	DIP-14	Hex buffer/drivers (O.C. hi-voltage)91	.77	.58
50008	7420N*	DIP-14	Dual 4-input NAND gates	.57	.50
50139	7427N	DIP-14	Triple 3-input NOR gates68	.58	.435
50227	7430N*	DIP-14	8-input NAND gate62	.53	.396
50235	7432N⊕*	DIP-14	Quad 2-input OR gates81	.70	.62
50315	7438N⊕*	DIP-14	Quad 2-input NAND buffers (O.C.)60	.51	.46
50374	7442N	DIP-16	BCD-to-decimal decoder	1.18	.89
50403	7445N⊕	DIP-16	BCD-to-decimal decoder/driver 1.45	1.24	.93
50411	7446N ≎	DIP-16	BCD-to-7 segment decoder/driver (H.O.) 2.09	1.95	1.89
10 pcs./	*20 pcs. in 7400	series IC	cabinet kit, below Blue Part No. = Limited Quan	tity Availa	ble

7400 Series IC Kit

ncludes:

SAVE \$116

20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 209 and 30 adhesive labels for drawers to identify parts in kit **10 each:** 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420,

7430, 7432, 7438, 7447, 7470, 7485, 7495, 74107, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

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.411

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ROHS compliant product
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870364

792554

870401

792571

870428

MC14528BD**◆**

MC14532BCP♠

7400, 74C, 74S, Tiny Logic, 74LVT & 74LVTH Series

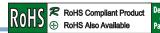
Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

7400	Series (c	ontinu	ed)	DI	P P	77777	74S Se	ries			DII	P	
Part No.	Cross Ref.	Pkg.	Description	1	10	100	Part No.	Cross Ref.	Pkg.	Description	1	10	100
50420	7447N⊕*	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	\$1.49	\$1.29	\$.99	676959	74S00N	DIP-14	Quad 2-input NAND gates	\$.64	\$.54	\$.328
50526	7472N	DIP-14	AND gated JK master/slave flip-flop	1.95	1.67	1.25	676967	74S04N	DIP-14	Hex Inverter	64	.54	.328
50534	7473N	DIP-14	Dual JK flip-flops with clear			.84	676975	74S10N	DIP-14	Triple 3-input NAND gates		.58	
50551	7474N**	DIP-14	Dual D flip-flops		.54	.429	676983	74S38N	DIP-14	Quad 2-input NAND buffer w/ op		1.01	
50577	7475N	DIP-16	4-bit bi-stable latch			2.49	676991	74S74N	DIP-14	Dual positive edge-triggered D		.63	
50593	7476N	DIP-16	Dual JK flip-flops with preset and clear .			2.39	677003	74S138N	DIP-16	3-8 line decoder/demultiplex		.84	
50631	7483N	DIP-16	4-bit binary full adder			1.10	48557	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state			3.86
50657 50665	7485N* 7486N	DIP-16 DIP-14	4-bit magnitude comparator Quad exclusive-OR gates		.96	.70 1.45	677011	74S240N	DIP-20	Octal 3-state buffer/line driver/			1.09
50681	7489N	DIP-14	64-bit RAM P 50ns			3.28	677020 48696	74S244N 74S287N	DIP-20 DIP-16	Octal 3-state buffer/line driver/		10.75	1.07
50690	7499N 7490N	DIP-14	Decade counter			.95	48717	74S287N 74S288N	DIP-16	1k-bit (256 x 4) PROM tri-state 256-bit (32 x 8) PROM tri-st. (1			6.04
50737	7490N 7492N	DIP-14	Divide-by-12 counter			1.07	48805	74S387N	DIP-16	1k-bit (256 x 4) PROM 0.C. (TE			2.55
50745	7493N	DIP-14	4-bit binary counter			1.19	52513	74S428N	DIP-28	System contr./bus driver (82			2.36
50770	7495N*	DIP-14	4-bit parallel-access shift reg. (K155N) .		.86	.57	48864	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (•	11.65	
50796	7497N	DIP-16	Synch. 6-bit binary rate multipliers		2.32	1.71		7.1017211	Dii 20	Dit (012 x 0) 1 1 0 11 0 11 0 11 (
49234	74107N*	DIP-14	Dual JK flip-flop with clear		.484		CAMERNA	Tiny L	oaic®	Series	For more Fairchil visit www.Jan	-	•
49322	74121N⊕	DIP-14	Monostable multivibrator		1.15	1.00	-	· · · · · · · ·	09.0	NEW	* Minimur		
49357	74123N⊕*	DIP-16	Dual retriggerable mono. multivibrator	1.19	1.02	.76	Part No.	Cross Ref.	Pkg.	Description	* Willianda 1	5	•
49373	74125N	DIP-14	Quad bus buffer tri-state (DM8093N)	1.19	1.09	.95	787384	NC7S00M5 ≈		<u> </u>			
49411	74132N*	DIP-14	Quad 2-input NAND Schmitt trigger	1.29	1.10	.82	873645	NC7S04M5				.52	.42
49496	74148N	DIP-16	8 to 3 line octal priority encoder	1.24	1.05	.79	873688	NC7S08M5				.524	
49509	74150N⊕	DIP-24	16 to 1 line multiplexer	2.39	2.11	1.95	873741	NC7S14M5 ≈		3 1 3		.285	
49525	74151N*	DIP-16	8-input multiplexer	75	.63	(.472)	787405	NC7S14P5₹		· '		.289	
49550	74153N*	DIP-16	Dual 4/1 data selector/multiplexer		.71	.536	787413	NC7ST04M5	SOT-23	/5 Single inverter w/ TTL cor		.284	
49568	74154N⊕	DIP-24	4 to 16 line decoder/demultiplexer		1.95	1.75	787421	NC7ST32P5₹	◆ SC70/5	Single 2-input OR gate w/ TTI	L comp. inputs *	.359	.259
49605	74157N*	DIP-16	Quad 2/1 data selector		.86	.65	873856	NC7SZ00M5 ≭	♦ SOT-23	/5 Single 2-input AND gate .	61	.524	.421
49648	74160N*	DIP-16	Decade counter with asynch. clear		.46	.41	787430	NC7SZ00P5₹	♦ SC70/5	Single 2-input AND gate	*	.285	.259
49664 49672	74161N 74163N	DIP-16 DIP-16	Synchronous 4-bit counter w/ direct clea		.69	.55	787448	NC7SZ02P5♠	SC70/5	Single 2-input NOR gate	*	.29	.259
49672	74163N 74164N	DIP-16	Fully synchronous 4-bit counter		.76 .79	.57	873944	NC7SZ04M5	♦ SOT-23	/5 Single inverter	61	.524	.421
49061	74104N 74174N*	DIP-14 DIP-16	Hex D-type flip-flop with clear		.92	(.69)	787456	NC7SZ05P5₹	♦ SC70/5	Single inverter (open drai	n output)*	.36	.259
49795	74174N 74175N*	DIP-16	Quad D-type flip-flop with clear		.80	(.60)	874007	NC7SZ08M5	♦ SOT-23	/5 Single 2-input AND gate .	62	.524	.421
49832	74175N 74180N	DIP-14	9-bit odd/even parity generator/checker		2.46	1.84	874066	NC7SZ08P5₹		5 1 5		.29	.259
49841	74181N	DIP-24	Arithmetic logic unit/function generator		3.25	2.93	874251	NC7SZ14M5				.289	
49883	74189N	DIP-16	64-bit RAM tri-state (DM8599N)		2.89	2.17	874322	NC7SZ14P5 ≈		9		.437	.353
49904	74191N	DIP-16	Binary up/down counter		1.73	1.30	874402			/5 Single 2-input OR gate		.524	
49912	74192N	DIP-16	Decade up/down counter with clear		3.39	3.19	874111	NC7SZ125M5				.524	
49939	74193N	DIP-16	Binary up/down counter with clear	1.99	1.75	1.60	874171	NC7SZ125P5		,		.524	
49955	74194N	DIP-16	4-bit bi-directional shift register	1.75	1.49	1.11	874218 787464	NC7SZ126M5 RC7SZ126P5 RC7SZ126P5 RC7SZ126P5 RC7SZ126P5		/5 Single buffer w/ 3-st. outp Single buffer w/ 3-st. outp		.296 .524	
49963	74195N ⊕	DIP-16	4-bit parallel-access shift register	1.65	1.40	1.05	874509	NC73Z120F3R		Dual inverter		.29	.259
50171	74279N⊕*	DIP-16	Quad set-reset latch	1.79	1.56	1.44	787472	NC7WZ04F6X		Dual buffer w/ open drain		.269	
*10 pcs. i	n 7400 series IC	cabinet kit	t, pg 20 **20 pcs. in 7400 series IC cabir	net kit, p	g 20		787481	NC7WZ14P6		Dual inverter w/ Schmitt t	•	.269	
					ð		874613	NC7WZ16P6		Dual buffer		.29	.259
74C S	Series			DI	Р 🏋	71117	874656	NC7WZ17P6♠	SC70/6			.29	.259
Part No.	Cross Ref.	Pkg.	Description	1	10	100					For more TI		
44222	74C00N⊕	DIP-14	Quad 2-input NAND gate			\$.73	4) Times be	STREAM NEW	74LVT	Series (3.3V)	visit www.Jan		m
44231	74C04N⊕	DIP-14	Hex inverter (CD4069)		.89	.67	D. at P.						
44257	74C14N⊕	DIP-14	Hex inverter Schmitt trigger (CD40106)		.465		Part No.	Cross Ref.	Pkg.	Description	1 1 ct \$1.14	10	
44441	74C74N⊕	DIP-14	Dual D flip-flop		1.53	1.16	757724	SN74LVT125D		· ·		\$.98	
44361	74C221N⊕	DIP-16	Dual monostable multivibrator		3.14	2.35	819585	SN74LVT240ADW R				.66	.529
44396	74C373N⊕	DIP-20	Octal D-type flip-flop with clear tri-state	3.85	3.11	2.44	757741 819614			3.3V ABT octal buffer/driv20 3.3V ABT octal buffer/driv		.485 .485	
44409	74C374N⊕	DIP-20	Octal D-type flip-flop tri-st. (INS82C06N)	2.49	2.13	1.59	757804	SN74LVT8980AD				8.17	
44564	74C922N⊕	DIP-18	16-key keyboard encoder (INS8245N)	7.05	6.79	6.19	757804			4 3.3V 10-bit addressable p			7.75
44572	74C923N⊕	DIP-20	20-key keyboard encoder (INS8246N)	6.19	5.26	4.44	819526			18 3.3V ABT 16-bit buffers/dri		1.18	.88
44581	74C925N	DIP-16	4-digit CTR w/ MUX D segment driver	. 15.59	13.25	9.95	819551			18 3.3V ABT 16-bit bus trans		1.18	.88
44599	74C926N⊕	DIP-18	4-digit CTR w/ MUX D segment driver	10.49	8.92	7.58	819500			18 3.3V ABT 16-bit buffers/dri		1.18	.88
			C Test Clip Series		111	1111	◆ Times by			H Series (3.3V)	For more TI visit www.Jan	74LVTH	1
				2104		ku.				22 (2.02)	* Minimur		
			ninge provides positive contact	4	1		Part No.	Cross Ref.	Pkg.	Description	* Willianda 1	5	
	VG insulated (,		-	Mark Property		757847	SN74LVTH125D				\$.291	
Part No.	Cross Ref.	Descrip	otion	1	10	25	819770	SN74LVTH240DW		· ·		.64	.49
22104	JTC16₹		(for 8, 14 and 16-pin ICs)		\$6.25	\$5.59	819796	SN74LVTH241DW				.64	.49
22120	JTC20⊕	-	(for 18 and 20-pin ICs)		6.50	5.35	757943			-20 3.3V ABT octal buffers/dr		.58	.441
22162	JTC28⊕		(for 24 and 28-pin ICs)		9.95	8.95	DIP *****		_	-	_		-
22189	JTC40⊕		(for 32 and 40-pin ICs)		11.35	10.75	3111111				SC70 (S)	SOT-23	100
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757986	SN74LVTH245ADW	SOIC-20	3.3V ABT octal bus trans.	w/ 3-st \$.7	7 \$.58	\$.441
758022	SN74LVTH273DW 🗷 🕯	SOIC-20	3.3V ABT octal D-type F-F	w/ clear	.58	.431
819825	SN74LVTH273PW 🗷 🕯	TSSOP-20	3.3V ABT octal D-type F-F	w/ clear	.58	.441
819850	SN74LVTH374DW 🎘 🕯	SOIC-20	3.3V ABT octal edge-trig D-typ	oe F-F w/ 3-st7	.58	.441
819921	SN74LVTH541PW 🏿 🕏	TSSOP-20	3.3V ABT octal bus buffers/dri	vers w/ 3-st 1.3	1.14	.92
758049	SN74LVTH573DW 🎘 🕯	SOIC-20	3.3V ABT octal transparent D-typ	e latches w/ 3-st	7 .59	.441
757880	SN74LVTH16244ADL	♦ SSOP-48	3.3V ABT 16-bit buffers/d	rivers w/ 3-st6	.56	.56
819631	SN74LVTH16373DL	\$ SSOP-48	3.3V ABT 16-bit transparent D-typ	e latches w/ 3-st. 1.1	6 .98	.78
757901	SN74LVTH16374DL	\$ SSOP-48	3.3V ABT 16-bit edge-trig D-ty	pe F-F w. 3-st. 1.1	6 .98	.78
819657	SN74LVTH16501DL	SSOP-56	3.3V ABT 18-bit universal bu	s txrx w/ 3-st. 1.6	9 1.37	1.02
819681	SN74LVTH16541DL	\$ SSOP-48	3.3V ABT 16-bit buffers/dri	vers w/ 3-st 1.6	9 1.37	1.21
819711	SN74LVTH2245DW	SOIC-20	3.3V ABT octal bus transce	ivers w/ 3-st7	6 .58	.441
819745	SN74LVTH2245PW	▶ TSSOP-20	3.3V ABT octal bus transce	ivers w/ 3-st7	6 .58	.431
757863	SN74LVTH162244DL	SSOP-48	3.3V ABT 16-bit buffers/dri	vers w/ 3-st 1.1	6 .98	.78

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			*1	Minimun	n order 5	pieces
Part No.	Cross Ref.	Pkg.	Description	1	5	50
784378	74LVX00MTC 2	TSSOP-14	Quad 2-input AND gate	*	\$.151	\$.121
784386	74LVX04M ◆	SOIC-14	Hex inverter	*	.244	.185
784394	74LVX132M 欠 ♠	SOIC-14	Quad 2-input NAND schmitt trigger	*	.291	.225
784407	74LVX14M♠	SOIC-14	Hex inverter w/ schmitt trigger input .	*	.243	.186
869689	74LVX14MTC R 4	TSSOP-14	Hex inverter w/ schmitt trigger input .	*	.16	.13
869718	74LVX3245MTC 	TSSOP-24	8-bit dual supply translating trans, w/ 3-st.	1.11	.90	.67
784423	74LVX541M ◆	SOIC-20	Octal buffer/line driver w/ 3-st. (non-inverting)*	.259	.207
869734	74LVXC3245MTC ₹ 4	TSSOP-24	8-bit dual supply volt. interface trans. w/ 3-s	t81	.65	.56
784431	74LVXC4245QSC ₹ ♠	QSOP-24	8-bit dual supply volt. interface trans. w/ 3-s	t72	.71	.69
784440	74I VXC4245WM	SOIC-24	8-bit dual supply volt interface trans w/ 3-s	81	76	71

🚃 74LCX Series (3.3V)

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			*1	√linimur	n order 5	pieces
Part No.	Cross Ref.	Pkg.	Description	1	5	50
868871	74LCX00MTC ♠ 1	TSSOP-14	Quad 2-input NAND gate	*	\$.175	\$.137
868900	74LCX04M ₹ ♠1	SOIC-14	Hex inverter	*	.136	.108
868934	74LCX04MTC ₹ ♠1	TSSOP-14	Hex inverter	*	.227	.172
784247	74LCX07M ≈ ♠	SOIC-14	Hex buffer open drain output	*	.175	.137
868969	74LCX08M ₹ ♠1	SOIC-14	Quad 2-input AND gate	*	.203	.154
868985	74LCX08MTC ♠ 1	TSSOP-14	Quad 2-input AND gate	*	.227	.172
869030	74LCX11MTC ♠ 1	TSSOP-14	Triple 3-input AND gate	*	.211	.173
869056	74LCX125M ₹ ♠2,3	SOIC-14	Quad buffer with 3-st	*	.18	.137
869081	74LCX125MTC ₹ ♠2,3	TSSOP-14	Quad buffer with 3-st	*	.18	.146
869110	74LCX138M ₹♠1	SOIC-16	1-of-8 decoder.demultiplexer	*	.218	.176
869152	74LCX138MTC 欠 ♠1	TSSOP-16	1-of-8 decoder.demultiplexer	*	.16	.13
869179	74LCX14M ₹ • 4	SOIC-14	Hex inverter	*	.165	.134
869208	74LCX14MTC ₹ ♠4	TSSOP-14	Hex inverter	*	.262	.196
784255	74LCX162244MTD ₹ ♠ 5 , 6	TSSOP-48	16-bit buffer/line driver	58	.484	.388
784263	74LCX16240MTD ₹ ♠2,6	TSSOP-48	16-bit buffer/line driver	58	.484	.388
784271	74LCX16244MEA ♠2,5	SSOP-48	16-bit buffer/line driver	90	.73	.61
869232	74LCX16244MTD ₹ ♠2,5	TSSOP-48	16-bit buffer/line driver	58	.471	.37
869275	74LCX16245MEA ◆^{2,5}	SSOP-48	16-bit bidirectional transceiver	91	.72	.61
869312	74LCX16245MTD ₹ ♠2,5	TSSOP-48	16-bit bidirectional transceiver	58	.471	.37
784298	74LCX16373MEA ♠^{2,5}	SSOP-48	16-bit transparent latch	90	.73	.61
784301	74LCX16373MTD ₹ ♠2,5	TSSOP-48	16-bit transparent latch	59	.471	.388
869371	74LCX244MTC ₹♠2,5	TSSOP-20	Buffer/line driver	*	.194	.15
869427	74LCX245MTC ₹♠2,5	TSSOP-20	Bidirectional transceiver	*	.194	.15
869486	74LCX245WM ₹ ♠2,5	SOIC-20	Bidirectional transceiver	*	.194	.19
869540	74LCX541MTC ₹♠2	TSSOP-20	Octal buffer/line driver	*	.326	.245
784319	74LCX541WM ♠ 2	SOIC-20	Octal buffer/line driver	*	.261	.242
869574	74LCX74M ₹ ♠1	SOIC-14	Dual D-type pos. edge trig. F-F	*	.165	.127
869591	74LCX74MTC ₹ ♠1	TSSOP-14	Dual D-type pos. edge trig. F-F	*	.149	.099
1 5V toleran	t inputs 2 5V tole	rant inputs a	and outputs 3 non-inverting			

5 3-state outputs, non-inverting

74LVT/74LVTH Series (3.3V)

* Minimum order 5 pieces Part No. Cross Ref. Description 74LVT162244MTD**₹**♠1,2 TSSOP-48 16-bit buffer/line driver w/ 3-st. **\$.65** \$.524 \$.431 784327 74LVT16244MEA № SSOP-48 16-bit buffer/line driver w/ 3-st.82 784335 869611 74LVT16244MTD₹♠1 TSSOP-48 16-bit buffer/line driver w/ 3-st.65 869638 74LVT244MTC ₹♠ TSSOP-20 Octal buffer/line driver w/ 3-st. * 74LVTH162374MTD♠1,2 TSSOP-48 16-bit D-type flip-flop w/ 3-st.63 784343 784351 .431 784360 74LVTH244MTC ₹ TSSOP-20 Octal buffer/line driver w/ 3-st.* **1** 3-state outputs, non-inverting **2** with 25Ω series resistors

74VHC/74VHCT Series

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869769 74V 784482 74V 784491 74V	SS Ref. HC00MR♠ HC02M♠ HC04MTCR♠ HC08M♠ HC123AMR♠ HC125MTC♠	SOIC-14 SOIC-16	Description Quad 2-input NAND gate Quad 2-input NOR gate Hex inverter Quad 2-input AND gate	1 * *	\$.126 .146 .262	\$.118 .118 .196
869769 74V 784482 74V 784491 74V	HC00M HC02M HC04MTC HC04MTC HC08M HC123AM HC125MTC HC125MTC	SOIC-14 SOIC-14 TSSOP-14 SOIC-14 SOIC-16	Quad 2-input NAND gate	* *	\$.126 .146 .262	\$.118 .118 .196
784482 74V 784491 74V	HC02M♣ HC04MTC♠♠ HC08M♠ HC123AM♠♠ HC125MTC♠	SOIC-14 TSSOP-14 SOIC-14 SOIC-16	Quad 2-input NOR gate Hex inverter Quad 2-input AND gate	* *	.146 .262	
784491 74V	HC04MTC ₹ ♠ HC08M♠ HC123AM ₹ ♠ HC125MTC♠	TSSOP-14 SOIC-14 SOIC-16	Hex inverter	*	.262	.196
	HC08M♠ HC123AM R ♠ HC125MTC♠	SOIC-14 SOIC-16	Quad 2-input AND gate			.196
869793 74V	HC123AM ₹ ♠ HC125MTC♠	SOIC-16	, ,	*	126	
	HC125MTC ◆		Development of the second of t		. 120	.118
869822 74V			Dual retrig. mono. multivibrator	*	.213	.165
784503 74V		TSSOP-14	Quad buffer w/ 3-st	*	.306	.212
869857 74V	HC138M ≈ ♠	SOIC-16	3-to-8 decoder/demultiplexer	*	.259	.207
784511 74V	HC138MTC ◆	TSSOP-16	3-to-8 decoder/demultiplexer	*	.259	.207
869873 74V	HC14M ♠	SOIC-14	Hex schmitt inverter	*	.146	.127
784520 74VI	HC161284MTD ♠	TSSOP-48	IEEE 1284 transceiver	90	.81	.73
784538 74V	HC161M ≈ ♠	SOIC-16	4-bit binary cntr w/ asynch. clear	*	.324	.259
784546 74VI	HC163MTC ₹ ♠	TSSOP-16	4-bit binary cntr w/ synch clear	*	.344	.267
869911 74VI	HC244MTC ₹ ♠	SOIC-20	Octal buffer/line driver w/ 3-st	*	.179	.138
784554 74V	HC245M ₹ ♠	SOIC-20	Octal bidirectional trans. w/ 3-st	*	.188	.147
784562 74VI	HC245MTC ₹ ♠	TSSOP-20	Octal bidirectional trans. w/ 3-st	*	.183	.147
869937 74V	HC32M ₹ ♠	SOIC-14	Quad 2-input OR gate	*	.126	.118
784571 74V	HC4040M ≈ ♠	SOIC-16	12-stage binary counter	61	.524	.423
784589 74V	HC4046M ≈ ♠	SOIC-16	CMOS phase lock loop	*	.334	.267
869970 74V	HC541MTC ◆	SOIC-20	Octal buffer/line driver w/ 3-st	*	.233	.216
870014 74V	HC573M ₹ ♠	SOIC-20	Octal D-type latch w/ 3-st	*	.216	.173
870031 74VI	HC595MTC ₹ ♠	TSSOP-16	8-bit shift reg. w/ output latches	*	.193	.155
784597 74V	HC74M ♠	SOIC-14	Dual D-type F-F w/ preset & clear .	*	.146	.127
784600 74V	HCT04AM ≈ ♠	SOIC-14	Hex inverter	*	.11	.90
784618 74V	HCT08AM ◆	SOIC-14	Quad 2-input AND gate	*	.11	.09
784626 74V	HCT08AMTC 	TSSOP-14	Quad 2-input AND gate	*	.262	.196
784634 74V	HCT14AMTC 	TSSOP-14	Hex schmitt inverter	*	.15	.119
784642 74VI	HCT245AM ₹ ♠	SOIC-20	Octal buffer/line driver w/ 3-st	*	.183	.147
784651 74V	HCT374AM♠	SOIC-20	Octal D-type flip-flop w/ 3-st	*	.183	.147
784669 74VI	HCT541AMTC ◆	TSSOP-20	Octal buffer/line driver w/ 3-st	61	.521	.431
784677 74VI	HCT74AMTC 欠 ♠	TSSOP-14	Dual D-type F-F w/ preset & clear .	*	.281	.206
784685 74VI	HCU04MTC ₹ ♠	TSSOP-14	Hex inverter	*	.262	.189

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Part No.	Cross Ref.	Pkg.	Description		1	10	100
867149	MC10E016FN♠	PLCC-28	5V ECL 8-bit synch. binar	y up counter \$10	.39	\$9.47	\$8.6
867165	MC10E111FN♠	PLCC-28	5V ECL 1:9 diff. clock	driver 9	.29	8.43	7.6
867190	MC10EL11D♠	SOIC-8	5V ECL 1:2 diff. fan o	ut buffer 5	.89	5.19	4.5
867229	MC10EL32D♠	SOIC-8	5V ECL ÷2 divider	4	.85	4.58	4.3
867253	MC10EL51D♠	SOIC-8	5V ECL diff. clock D fl	ip-flop 4	.55	4.43	4.3
867270	MC10EL57D♠	SOIC-16	5V ECL 4:1 diff. multi	olexer 9	.85	7.65	6.6
867309	MC10ELT20D♠	SOIC-8	5V TTL to diff. PECL t	ranslator 4	.55	4.27	3.2
867333	MC10ELT21D♠	SOIC-8	5V diff. PECL to TTL t	ranslator 4	.55	4.27	3.2
867368	MC10ELT22D◆	SOIC-8	5V dual TTL to diff. PEG	CL translator 4	.15	3.38	3.2
867392	MC10ELT24D♠	SOIC-8	5V TTL to diff. ECL tra	nslator 5	.35	4.15	3.6
867421	MC10ELT25D♠	SOIC-8	-5V diff. ECL to TTL tr	anslator 4	.55	4.15	3.2
791551	MC10H101P◆	PDIP-16	Quad 2-input OR/NOF	? gate 2	.89	2.63	2.5
791578	MC10H102P◆	PDIP-16	Quad 2-input NOR ga	te 2	.99	2.75	2.5
791594	MC10H105P◆	PDIP-16	Triple 2-3-2 input OR	NOR gate 3	.09	2.82	2.5
791607	MC10H115P◆	PDIP-16	Quad line receiver		.09	2.82	2.5
867456	MC10H116D ◆	DIP-16	Triple line receiver	4	.35	4.07	3.3
867472	MC10H116FN♣	PLCC-20	Triple line receiver	3	.95	3.70	3.0

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◆ PLCC-20 Quad TTL-to-MECL translator w/ TTL strobe 5.75 5.49 5.24 697282 DS2433 PR-35 1-wire, 4kB FFPROM 4.59 3.59 3.46 PDIP-16 Quad TTL-to-MECL translator w/ TTL strobe 5.29 791666 SOIC-8 1-wire, 4kB FFPROM 5.01 697291 DS2433S**♠** 5.39 4.69 867587 MC10H125FN_₹ PLCC-20 Quad MECL-to-TTL translator 6.64 5.76 133452 DS12887 - DIP-24 Real time clock chip8.15 6.93 5.19 PDIP-16 5.79 867616 MC10H125P◆ Ouad MFCI -to-TTI translator 7.05 5.31 DS12887A ⊕ DIP-24 299997 4.15 867641 MC10H131FN♠ PLCC-20 Dual D-type master-slave flip-flop 6.79 5.69 5.62 Pull = Extra Savings 867667 MC10H131P♠ PDIP-16 Dual D-type master-slave flip-flop 5.05 4.81 791682 MC10H350FNG ₹♠ PLCC-20 PECL-to-TTL translator 13.01 12.92 MPU Supervisory 867721 MC10H351P◆ PDIP-20 Quad TTL/NMOS to PECL translator 21.05 19.13 17.39 Part No. Cross Ref. Pkg. 100 SOIC-8 5V FCL 1:2 diff_fan out buffer 5 09 Description 1 10 866349 MC100FI 11D 4 12 3 70 SOIC-16 5V ECL 1:4 clock distribution chip 4.55 106219 MAX690CPA⊕ DIP-8 Watchdog timer, 4.4V \$5.45 \$4.64 866373 MC100EL15D♠ 4.19 4.14 DIP-16 791252 MC100FL16DG ₹ SOIC-8 5V ECL diff. receiver 3.89 3.45 106227 MAX691CPF(+) Watchdog timer, 4.65V 5.75 3.23 791279 MC100EL33DG ₹ SOIC-8 5V ECL ÷4 divider 4.90 4.41 106260 MAX1232CPA⊕ DIP-8 Watchdog timer, 4.65V - 4.75V 2.85 791295 MC100EL34DG ₹ SOIC-16 5V ECL ÷2. ÷4. ÷8 clock generation chip 6.29 6.25 6.20 Power Management 791316 MC100FL56DWG ₹ \$01C-20 5V FCL dual diff 2:1 multiplexer 7.75 7 06 6.89 866411 5V ECL 4:1 diff. multiplexer 6.79 MC100EL57D♠ SOIC-16 6.17 6.03 Part No. Cross Ref Description 10 MC100EL58DG ₹ SOIC-8 791341 5V ECL 2:1 multiplexer 6.25 5.69 5.17 792079 MC1403DG **₹** SOIC-8 ... \$.80 \$.65 Low-voltage reference MC100EL91DWG ₹ SOIC-20 5V triple PECL to -5V ECL translator ... 8.49 791359 7.75 UC3906N⊕ 312961 DIP-16 Linear lead acid battery charger 5.15 4 63 5V TTL to diff. PECL translator 3.69 866453 MC100FLT20D♠ SOIC-8 3 28 241808 ICI 7665SCPA® DIP-8 2-16V voltage detector 2.45 2.20 1.38 National Semi-866488 MC100FLT21D♠ SOIC-8 5V diff. to TTL translator 3.48 3.28 3.69 791375 MC100ELT22DG ₹ SOIC-8 5V dual TTL to diff. PECL translator 3.69 3.28 Semiconductor LVDS visit www.Jameco.com NEW MC100ELT23D♠ SOIC-8 5V dual diff. PECL to TTL translator 3.69 3.28 791391 MC100ELT24DG ₹ SOIC-8 5V TTL to diff. ECL translator 3.38 3.28 Part No. Description 100 SOIC-16 866592 MC100FLT25D♠ SOIC-8 5V differential FCL to TTL translator ... 3.69 3.38 3 28 891472 DS90C031RTM Ouad CMOS diff. line driver \$3.09 \$2.36 \$2.21 791412 MC100EP08DTG ₹ TSSOP-8 3.3V/5V ELC 2-input diff, XOR/XNOR 7.65 6.97 6.81 833424 DS90C031TM/NOPB ₹ SOIC-16 2.37 1.82 MC100FP11D♠ 3 3V/5V ECL 1:2 diff_fan out buffer 7 19 5 95 891552 Ouad CMOS diff_line receiver 3 09 2 21 866621 3.3V/5V ECL 1:2 diff. fan out buffer 7.19 866656 MC100EP11DT♠ TSSOP-8 5.95 833441 DS90C032TM/NOPB ₹ SOIC-16 Quad CMOS diff. line receiver 1.79 866681 MC100EP16D ◆ SOIC-8 3.3V/5V ECL diff. receiver/driver ... 6.25 5.17 891632 DS90C401M◆ SOIC-8 Dual LV diff. signaling driver 2.39 1.84 1.73 Dual LV diff. signaling receiver 2.39 MC100FP16DT♠ TSSOP-8 5 32 DS90C402M SOIC-8 866710 3 3V/5V FCL diff_receiver/driver 5 79 5 17 891667 1 84 1 73 3.3V ECL 1:9 diff. clock driver 9.29 SOIC-16 2 x 2 800Mbps crosspoint switch ... 6.39 866744 MC100LVE111FN PLCC-28 8 43 7.67 891712 DS90CP22M-8♠ 5.59 5.39 866779 MC100LVFL11D♠ SOIC-8 3.3V FCL 1:2 diff. fan out buffer ... 5.89 4.59 3.98 891755 DS90CR285MTD

TSS0P-56 +3.3V rising data strobe 28-bit ch. link, 66MHz 6.39 5.59 5.43 MC100LVEL11DT♠ TSSOP-8 3.3V ECL 1:2 diff. fan out buffer ... 4.09 891798 DS90CR286AMTD♠ TSSOP-56 +3.3V rising data strobe 28-bit ch. link, 66MHz 6.09 866795 3.62 5.99 5.74 866824 MC100LVEL14DW

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SOIC-8 Dual high-speed diff. driver 1.89 892176 1.43 1.11 MC100LVEL90DW

◆ SOIC-20 -3.3V/-5V triple ECL to LVPECL translator 9.39 7.75 DS90LV028ATM/NOPB

₹♠ SOIC-8 3V Dual CMOS diff. line receiver 2.05 1.47 892256 1.52 791519 MC100LVEL91DWG ₹ SOIC-20 3.3V triple LVPECL to -3.3V to -5V ECL translator ... 8.75 DS90LV031ATMTC♠ TSSOP-16 3V quad CMOS diff. line driver 2.69 DS90LV031BTM/NOPB

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808122	MAX202EWE ♠	SOIC-16	+5V, dual RS-232 trans. w/ 0.1µF ext. ca		2.85	2.59
808157	MAX203CPP♠	DIP-20	+5V, dual RS-232 trans. w/ 0.1µF ext. ca		5.49	4.84
882040	MAX203ECWP♠	SOIC-20	±15kV ESD-protect, +5V RS-232 tran		5.99	5.29
882066	MAX203EEWP♠	SOIC-20	±15kV ESD-protect, +5V RS-232 tran		8.55	7.55
882082	MAX203EWP ◆	SOIC-20	+5V, dual RS-232 trans.w/ 0.1µF ext.		6.39	5.81
808181	MAX207CAG♠	SSOP-24	+5V, RS-232 tran. w/ 0.1µF ext.cap .		5.68	5.17
882103	MAX208CNG♠	DIP-24	+5V, RS-232 trans.w/ 0.1µF ext. cap		5.57	4.91
882120	MAX208CWG◆	SOIC-24	+5V, RS-232 trans.w/ 0.1µF ext. cap		5.57	4.91
808211	MAX208EAG♠	SSOP-24	+5V, RS-232 trans.w/ 0.1µF ext. cap.		6.76	6.15
808245	MAX208ECAG♠	SSOP-24	±15kV ESD-protect, +5V RS-232 tran		6.44	5.69
808270	MAX208ECNG♠	DIP-24	±15kV ESD-protect, +5V RS-232 tran		6.44	5.69
882138	MAX208EEAG♠	SSOP-24	±15kV ESD-protect, +5V RS-232 tran		8.41	7.43
808333	MAX211CWI♠	SOIC-28	+5V, RS-232 trans. w/ 0.1µF ext. cap		5.59	4.91
808368	MAX211EAI♠	SSOP-28	+5V, RS-232 trans. w/ 0.1µF ext. cap		6.75	6.15
808405	MAX211ECWI♠	SOIC-28	±15kV ESD-protect, +5V RS-232 trans. 4 drv./5 r		6.61	5.69
808421	MAX211EEAI♠		±15kV ESD-protect, +5V RS-232 trans. 4 drv./5n		8.43	7.44
808448	MAX211EWI♠	SOIC-28	+5V, RS-232 trans. w/ 0.1µF ext. cap		6.48	5.89
808464	MAX212CAG♠	SSOP-24	+3V powered, LP, true RS-232 trans.		6.19	5.64
808481	MAX213EAI♠	SSOP-28	+5V, RS-232 trans. w/ 0.1µF ext. cap		6.76	6.15
808544	MAX214CPI♠	DIP-28	Prog. DTE/DCE, +5V dual RS-232 tra		7.07	6.43
808595	MAX220CPE♠	DIP-26	+5V powered multi chnl dual RS-232 drv./i		4.06	3.59
808616	MAX220CFE MAX220CSE	SOIC-16			4.06	3.59
		SOIC-18	+5V powered multi chnl dual RS-232 drv./i			
882154 808755	MAX222EWN♠ MAX223EWI♠	SOIC-18	+5V powered multi chnl dual RS-232 drv./i		4.29	3.79 6.43
			+5V powered multi chnl RS-232 4 drv./5		7.31	
808771 808798	MAX231CWE ♠ MAX231EPD ♠	SOIC-16 DIP-14	+5V powered multi chnl dual RS-232 drv./		2.44	2.16
			+5V powered multi chnl dual RS-232 drv./i		2.85	
882293	MAX232ECPE♠	DIP-16	±15kV ESD-protected, +5V RS-232 tra		3.09	2.73
882314	MAX232ECSE♠ MAX232EEPE♠	SOIC-16 DIP-16	±15kV ESD-protected, +5V RS-232 tra		3.09	2.73 3.52
808886			±15kV ESD-protected, +5V RS-232 tra		3.98	
808907	MAX232EESE♠ MAX232EEWE♠	SOIC-16 SOIC-16	±15kV ESD-protected, +5V RS-232 tra		3.98	3.52
808923		DIP-16	±15kV ESD-protected, +5V RS-232 tra		3.98	
808991	MAX234CPE♠		+5V powered multichnl RS-232 drv./rec. 4		4.35	3.83
882461	MAX238CWG♠	SOIC-24	+5V powered multichnl RS-232 quad drv./		5.40	4.91
809011	MAX238ENG♠	DIP-24	+5V powered multichnl RS-232 quad drv./		6.60	6.41
809037	MAX238EWG♠	SOIC-24	+5V multi chnl RS-232 quad drv./re		6.77	5.89
809053	MAX239CNG♠	DIP-24	+5V multi chnl RS-232 3 drv./5 rec.		5.59	4.91
809070	MAX241CWI♠	SOIC-28	+5V multi chnl RS-232 4 drv./5 rec.		5.59	4.91
809109	MAX241EWI♠	SOIC-28	+5V multi chnl RS-232 4 drv./5 rec.		6.48	5.89
809125	MAX242CPN♠	DIP-18	+5V multi chnl dual RS-232 drv./red		3.61	3.17
882496	MAX242CWN◆	SOIC-18	+5V multi chnl dual RS-232 drv./rei		3.61	3.17
809141	MAX242EPN♠	DIP-18	+5V multi chnl dual RS-232 drv./red		4.17	3.79
882517	MAX242EWN♠	SOIC-18	+5V multi chnl dual RS-232 drv./red		4.17	3.79
809221	MAX248CQH-D♠	PLCC-44	+5V multi chnl octal RS-232 drv./rec		15.15	13.18
882533	MAX250CPD♠	DIP-14	+5V isolated dual RS-232 drv./re		5.47	4.98
882550	MAX250CSD♠	SOIC-14	+5V isolated dual RS-232 drv./rd		6.23	5.48
809248	MAX250EPD♠	DIP-14	+5V isolated dual RS-232 drv./rd		7.83	7.12
809264	MAX250ESD♠	SOIC-14	+5V isolated dual RS-232 drv./rd		8.90	7.82
882584	MAX251CPD♠	DIP-14	+5V isolated dual RS-232 drv./rd		5.47	4.98
882605	MAX251CSD♠	SOIC-14	+5V isolated dual RS-232 drv./re		6.23	5.48
809281	MAX251EPD♠	DIP-14	+5V isolated dual RS-232 drv./rd		8.10	7.12
809299	MAX251ESD♠	SOIC-14	+5V isolated dual RS-232 drv./rd		8.99	7.82
810345	MAX3093ECSE♠	SOIC-16	±15kV ESD-protect, 5V LP quad RS-422/RS-485 rec		2.16	1.97
810361	MAX3093EESE ◆	SOIC-16	±15kV ESD-protect, 5V LP quad RS-422/RA-485 rec		3.07	2.79
810388	MAX3093EEUE ◆	TSSOP-16	±15kV ESD-protect, 5V LP quad RS-422/RS-485 rec		3.07	2.79
810409	MAX3094EEUE♠	TSSOP-16			3.21	2.79
807744	MAX3209ECUU♠	TSSOP-38	±15kV ESD protect, 12V dual RS-232 serial w/ LP stand		4.64	3.72
807859	MAX3223ECAP+	SSOP-20	1μA cur., 120kbps, dual RS-232 trans. w/ autos	htdn 4.45	3.72	3.28

MAX3223EEAP+≈ SSOP-20 1μA cur., 120kbps, dual RS-232 trans. w/ autoshtdn 6.75 MAX3224CAP♠ SSOP-20 1μA cur., 250kbps, dual RS-232 trans. w/ autoshtdn 3.75

MAX3224EAP♠ SSOP-20 1µA cur., 250kbps, dual RS-232 trans. w/ autoshtdn 4.49 4.34

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808190	MAX3226CAE♠	SSOP-16	1μA cur., 250kbps, single RS-232 trans. w/ autoshtdn	\$2.55	\$2.15	\$1.85
808430	MAX3238CAI♠	SSOP-28	1μA, 250kbps, RS-232 trans. w/ autoshtdn .	5.89	5.38	4.89
883528	MAX3238EAI♠	SSOP-28	10nA, 250kbps, RS-232 trans. w/ autoshtdn	10.15	7.23	7.00
808456	MAX3241CAI♠	SSOP-28	LP, 120kbps, RS-232 trans., 4 0.1µF ext. cap. (3TRX/5RX)	7.05	5.57	4.89
808472	MAX3241EAI♣	SSOP-28	LP, 120kbps, RS-232 trans., 4 0.1µF ext. cap. (3TRX/5RX)	10.55	7.96	7.00
809344	MAX3380EEUP♠	TSSOP-20	1μA, dual RS-232 trans. w/ ±15kV ESD-protect I/O & logic pi	8.05	6.78	5.84
809361	MAX3381ECUP♠	TSSOP-20	1μA, dual RS-232 trans. w/ ±15kV ESD-protect I/O & logic pi	5.99	4.79	4.09
809387	MAX3386ECUP♠	TSSOP-20	±25kV ESP-protect RS-232 trans. For PDA & cell phones	5.09	4.21	3.71
809408	MAX3386EEUP♠	TSSOP-20	±25kV ESP-protect RS-232 trans. For PDA & cell phones	5.49	5.00	4.55

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698550	MAX232D ≈ ♠	SOIC-16	Dual EIA-232 drivers/receive	rs*	\$.339	\$.329
698568	MAX232DW ≉ ♠	SOIC-16	Dual EIA-232 drivers/receive	rs	.73	.59
698613	MAX3232CD₹ ♠	SOIC-16	3-5.5V multich RS-232 line drvr/rec v	// ±15kV ESD 1.46	1.42	1.18
698576	MAX232N ≈	DIP-16	Dual EIA-232 drivers/receive	rs	.73	.56
698584	MAX3221CDB ₹ ♠	SSOP-16	3-5.5V sngl RS-232 line drvr/rec w/	±15kV ESD 1.28	1.24	1.04
698592	MAX3221CPW ₹ ♠	TSSOP-16	3-5.5V sngl RS-232 line drvr/rec w/	±15kV ESD 1.28	1.16	1.04
698605	MAX3221IPW ♣	TSSOP-16	3-5.5V sngl RS-232 line drvr/rec w/±1	5kV ESD 1.39	1.18	.89
698621	MAX3232CPW ₹ ♠	TSSOP-16	3-5.5V multich RS-232 line drvr/rec v	// ±15kV E 1.39	1.29	1.15
698630	MAX3232IPW ₹ ♠	TSSOP-16	3-5.5V multich RS-232 line drvr/rec v	// ±15kV E 1.59	1.40	1.14
698648	MAX3243CDB ≈ ♠	SSOP-28	3-5.5V multich RS-232 line drvr/rec w/ ±15	kV ESD(HBM) 1.28	1.24	.80
698656	MAX3243IPW ≉ ♠	TSSOP-28	3-5.5V multich RS-232 line dryr/rec w/ +15	kV FSD(HBM) 1.39	1.30	1.16

RS-23	2 D	rivers/R	eceiv	vers ers	Package (see pg		
Part No.	Mfr.	. Cross Ref.	Pkg.	Description	1	10	100
142535	+	HIN202CP⊕	DIP-16	5V, 120kbps, w/ 0.1μF ext. caps	\$2.65	\$2.10	\$1.57
244232	+	MAX202CSE⊕	SOIC-16	5V, 120kbps, w/ 0.1 μ F ext. caps	1.55	1.25	.94
244241	+	MAX202EPE⊕	DIP-16	5V, 120kbps, w/ 0.1 μ F ext. caps	1.29	1.14	.99
244259	+	MAX202ESE⊕	SOIC-16	5V, 120kbps, w/ $0.1\mu F$ ext. caps	1.29	1.10	.82
312215	+	MAX211ECAI⊕	SSOP-28	5V, ±15kV ESD-protected	7.35	5.75	4.15
24811	+	MAX232CPE⊕ *	DIP-16	5V, 200kbps, multichannel	2.19	1.85	1.45
318959	MAX	(MAX232CPE⊕	DIP-16	5V, 200kbps, multichannel	2.89	1.77	1.49
106147	+	MAX232CWE⊕	SOIC-16	5V, 120kbps, multichannel	2.65	2.09	1.36
256401	+	MAX232DR⊕	SOIC-16	5V, 120kbps, dual driver/receiver	74	.63	.47
106155	+	MAX232EPE⊕	DIP-16	5V, 120kbps, multichannel	3.19	2.51	1.73
106163	+	MAX233CPP⊕	DIP-20	5V, 120kbps, multichannel	6.19	4.99	4.66
106171	+	MAX235CPG€	DIP-24	5V, 120kbps, multichannel	. 13.39	10.62	7.15
106180	+	MAX238CNG⊕	DIP-24	5V, 120kbps, multichannel	6.29	4.79	3.28
23157	+	DS1488N⊕*	DIP-14	15V, quad line driver	29	.25	.22
16361	+	DS14C88N⊕	DIP-14	5-12V, quad line driver	65	.58	.55
23181	+	DS1489N⊕*	DIP-14	5V, quad line receiver	23	.196	.147
16379	+	DS14C89N⊕	DIP-14	5V, quad line receiver	1.00	.73	.55
252128	+			3-5.5V, 120kbps, auto shutdown		1.93	1.85
276859	+	MAX3232CDR⊕	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	1.09	1.07	1.06
276867	+			3-5.5V, 1Mbps, ±15kV ESD protected		2.68	2.01
235301	+	DS14C232CN€	DIP-16	5V, LP, TIA/EIA dual driver/receiver	2.59	1.95	1.69
23181	+	SN75189N⊕	DIP-14	5V, quad line receiver	23	.196	.147
25099	+	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/receiver	1.95	1.75	1.59
*10 pcs. in	Linea	r series IC cabine	et kit, pg	31 ◆ Jameco Value Offering			

Sen	Semiconductor RS-422/485 Drvr/Rec. visit www.Jameco.com									
Part No.	Cross Ref.	Pkg.	Description		1	10	100			
832018	DS14185WM ◆	SOIC-20	EIA/TIA-232 3 x 5 drv./rec.	\$	1.79	\$1.27	\$.95			
832042	DS1487N/NOPB ₹	♠ DIP-8	LP RS-485 1/4 unit load multipo	oint trans.	2.49	1.85	1.39			
832077	DS14C232CM/NOPB≉	◆ SOIC-16	LP +5V powered TIA/EIA-232 du	al drv./rec.	3.35	2.50	1.87			
889399	DS14C232TM♠	SOIC-16	LP +5V powered TIA/EIA-232 du	ial drv./rec.	2.89	2.71	2.07			
889436	DS14C335MSA♠	SOIC-28	+3.3V supply TIA/EIA-232 3 x 5	drv./rec	7.85	6.22	4.98			
832851	DS3691M/NOPB ₹	♦ SOIC-16	RS-422/RS-423 line drv. w/ 3-s	t. outputs	1.79	1.32	.99			
832886	DS3691N/NOPB ≉	♠ DIP-16	RS-422/RS-423 line drv. w/ 3-s	t. outputs	1.35	1.10	.94			
832915	DS3695AM/NOPB ≈	♦ SOIC-8	Multipoint RS-485/RS-422	trans	1.59	1.18	.87			

DS3695N/NOPB**₹** ♠ DIP-8 Multipoint RS-485/RS-422 trans. **1.07** .81 .75

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

2.73

National



For more National RS-422/485

807912

807971

Thousands of new ICs are in the pipeline for addition and not shown below.

Package (see above)

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RS-422/485 Drivers/Receivers













SOIC



	Manufacturer Cross Reference Table Jameco Value Offering ◆										
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code		
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST		
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	ON Semi	ON	Texas Instruments	TI		
National For more National Semi National For more National Interface											

Semi	conductor RS-	422/4	85 Drvr/Rec (Cont.) v	isit <u>www</u>	.Jameco).com
Part No.	Cross Ref.	Pkg.	Description	1	10	100
832931	DS3696N/NOPB ₹	DIP-8	Multipoint RS-485/RS-422 trans./rec	\$2.45	\$1.81	\$1.35
891069	DS36C278TM♠	SOIC-8	LP multipoint EIA-RS-485 trans	2.69	2.03	1.51
832966	DS36C278TN♣	DIP-8	LP multipoint EIA-RS-485 trans	1.26	1.23	1.21
833029	DS485M/NOPB♠	SOIC-8	LP RS-485/RS-422 multipoint tran	ns. 2.39	1.76	1.37
833053	DS485TM ◆	SOIC-8	LP RS-485/RS-422 multipoint tran	ns. 2.39	1.76	1.37
833088	DS75176BM/NOPB ♣	SOIC-8	Multipoint RS-485/RS-422 trans.	78	.71	.65
891149	DS75176BN ◆	DIP-8	Multipoint RS-485/RS-422 trans.	1.65	1.20	.88
833176	DS75176BTN♣	DIP-8	Multipoint RS-485/RS-422 trans.	1.65	1.20	.88
833299	DS8922AM/NOPB ₹ ♠	SOIC-16	3-st. RS-422 dual diff. line drv./rec. pair	1.95	1.44	1.08
833328	DS8922M ◆	SOIC-16	3-st. RS-422 dual diff. line drv./rec. pair	1.95	1.44	1.08
833344	DS8923AM/NOPB ₹ ♠	SOIC-16	3-st. RS-422 dual diff. line drv./rec. pair	1.15	.94	.80
833361	DS8923AN/NOPB ₹ ♠	DIP-16	3-st. RS-422 dual diff. line drv./rec. pair	2.39	1.77	1.31
892862	DS92LV1212AMSA♠	SSOP-28	16-40MHz 10-bit bus LVDS clock deserial w/ red	ov 7.99	7.49	7.37
892985	DS92LV1224TMSA♠	SSOP-28	30-66MHz 10-bit bus LVDS deserializer	7.79	7.59	7.37
833627	DS96174CN/NOPB 🕿 🛦	DIP-16	RS-485/RS-422 quad diff. line drivers $$.	3.55	2.71	2.09
833651	DS96176CN/NOPB	DIP-8	RS-485/RS-422 diff. bus transceiv	rer 1.65	1.26	1.15
833715	DS9638CM ◆	SOIC-8	RS-422 dual high-speed diff. line dry	/ 1.5 5	1.12	.82

National Semiconductor Interface Series (Cont.)

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10

1.97

2.37

Semi Interface

Package (see above)

100

1.91

2.32

Part No.	Cross Ref.	Pkg.	Description	1	10	100
832536	DS26LS32CN/NOPB ₹ ♠	DIP-16	Quad differential line receive	rs \$2.25	\$1.66	\$1.21
890218	DS26LV31TM/NOPB ♣	SOIC-16	3V enhanced CMOS quad diff. li	ne drv 1.85	1.37	1.00
832561	DS26LV32ATM/NOPB ♣	SOIC-16	3V enhanced CMOS quad diff. li	ne rcv 1.85	1.36	1.02
890349	DS3486M/NOPB ₹ ♠	SOIC-16	Quad RS-422, RS-423 line re	eceiver 1.39	1.02	.75
832595	DS3486N/NOPB ≈ ♠	DIP-16	Quad RS-422, RS-423 line re	eceiver99	.90	.83
832624	DS3487M/NOPB ₹ ♠	SOIC-16	Quad 3-st. line driver		1.23	.89
832659	DS3487N/NOPB ₹ ♠	DIP-16	Quad 3-st. line driver	1.19	1.49	.84
832712	DS34C86TN/NOPB ₹ ♠	DIP-16	Quad CMOS diff. line receive	r 2.49	1.81	1.33
832747	DS34C87TM/NOPB ₹ ♠	SOIC-16	CMOS quad 3-st. diff line dri	ver92	.84	.66
832763	DS34C87TN/NOPB ₹ ♠	DIP-16	CMOS quad 3-st. diff. line dr	iver 1.01	.83	.70
890710	DS34LV86TM/NOPB ₹ ♠	SOIC-16	3V enhanced CMOS quad diff. li	ne rcv 2.49	1.85	1.43
890752	DS34LV87TM ♠	SOIC-16	Enhanced CMOS quad diff. I	ine drv 2.49	1.85	1.43
833205	DS8921AM/NOPB ₹ ♠	SOIC-8	Diff. line driver & receiver pa	ir 1.75	1.35	1.27
833230	DS8921ATM/NOPB ₹ ♠	SOIC-8	Diff. line driver & receiver pa	ir	.69	.67
833264	DS8921N/NOPB ₹ ♠	DIP-8	Diff. line driver & receiver pa	ir91	.83	.64
833395	DS89C21TM/NOPB ₹ ♠	SOIC-8	Diff. CMOS line drv. & rcv. p	air 1.55	1.17	.85
833686	DS9637ACM/NOPB ₹ ♠	SOIC-8	Dual diff. line receiver	1.55	1.13	.82
Almer				For more A	tmel Inte	rface

					_		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
299807	+	LTC485CN8⊕	DIP-8	RS-485 LP transceiver, 5V \$1.	.35	\$1.17	\$.91
276576	MAX	MAX490CPA⊕	DIP-8	RS-485/422 LP transceiver, 12V 2.	.25	2.03	1.83
276550	MAX	MAX491CPD⊕	DIP-14	RS-485/422 LP transceiver, 12V 2	.65	2.25	1.69
311837	MAX	MAX1480BEPI⊕	DIP-28	RS-485/422 data interface, 5V 28.	.75	24.44	20.17
244195	+	MAX1487CPA⊕	DIP-8	RS-485/422 LP transceiver, 12V 2	.25	1.45	1.22
39571	+	AM26LS30	DIP-16	RS-422/423 line driver, 5V 2	.39	2.05	1.76
39589	+	AM26LS31CN	DIP-16	RS-422 quad diff line driver, 5V	.61	.54	.43
39600	+	AM26LS32CN	DIP-16	RS-422/423 quad diff line receiver, 5V	.62	.53	.42
25232	+	MC3486P⊕	DIP-16	RS-422/423 quad diff line receiver, 5V \$-66	.59	.502	.377
25259	+	MC3487P⊕	DIP-16	RS-422/423 quad line driver, 5V	.62	.52	.47
144039	NSC	DS3695N⊕		RS-422/423 multipoint transceiver, 5V 1		1.19	.90
299671	NSC	DS8921N	DIP-8	RS-422 diff line driver/receiver pair, 5V \$1.46	.91	.79	.60
50956	TI	SN75175N⊕	DIP-16	RS-422/423 quad diff line rec, 5V	.72	.56	.45

SN75176BN DIP-8 RS-422 diff line bus transceiver, 5V \dots .65

☼ Blue Part No. = Limited Quantity Available

NSC DS96172CN© DIP-16 RS-485/422 guad diff line driver, 5V 2.95 2.75 2.50

ON Se	miconductor*	Inte	rface Series	For mo	re ON : www.J
763260	AT43USB326-AU ≉ ♠	LQFP-48	Multimedia USB kbrd cont w/ er	nbedded hub .	2.89
763243	AT43312A-SC ◆	LQFP-32	1UP/4DOWN stream self & bus	USB hub cont	2.05
845476	AT43301-SC 	SOIC-24	1UP/4DOWN stream USB hi	ub controller	\$1.69

Description

Interface Series

Cross Ref.

Interface Series

* Minimum order 5 pieces Description Part No Cross Ref. Pkg 870006 MC1413BD♠ SOIC-16 Hi-volt, hi-cur dar transistor arrays * 792386 PDIP-16 Hi-volt, hi-cur dar transistor arrays ... * 870065 MC1413D♠ SOIC-16 Hi-volt, hi-cur dar transistor arrays .62 .506 .384 Hi-volt, hi-cur dar transistor arrays .86 792407 MC1413PG **₹**♠ PDIP-16

Nati Semi	onal iconductor In	For more National Interface visit <u>www.Jameco.com</u>				
Part No.	Cross Ref.	Pkg.	Description		1 10	100
832106	DS14C88N/NOPB ₹	♠ DIP-14	Quad CMOS line driver .	\$1.:	25 \$1.13	\$1.03
832165	DS14C89AN/NOPB ₹	♠ DIP14	Quad CMOS line receive	r 1.:	25 1.12	1.03
832288	DS26C31TM/NOPB	♦ SOIC-16	CMOS quad 3-st. diff. lir	ne driver	85 .70	.59
832317	DS26C31TN/NOPB	♣ DIP-16	CMOS quad 3-st. diff. lir	ne driver 2.	55 1.87	1.37
889962	DS26C32ATM/NOPB	. SOIC-16	Quad diff. line receiver	2.	05 1.53	1.11
832341	DS26C32ATN/NOPB ₹	◆ DIP-16	Quad differential line rec	eiver 1.	49 1.19	1.01
832376	DS26LS31CM/NOPB	\$ \$0IC-16	Quad high-speed diff. lin	e driver	79 .66	.57
832405	DS26LS31CN/NOPB	₹ DIP-16	Quad high-speed diff. lin	e driver 1.	.92	.78

DS26LS32ACM/NOPB ₹ SOIC-16 Quad differential line receivers 1.69

DS26LS32ACN/NOPB

♠ DIP-16 Quad differential line receivers 2.39

DS26LS32CM/NOPB ₹ SOIC-16 Quad differential line receivers 1.49 1.09

Part No.	IVITT.	Cross Ref.	PKg.	Description		10	100
12239	ISL	CA3161E	DIP-16	5V, BCD 7-seg. decoder driver	\$2.95	\$2.65	\$2.39
310439	ON	MC33152P ⊕ ○	DIP-8	20V, dual MOSFET driver	1.05	.97	.87
25216	NSC	MC3479P⊕	DIP-16	7.2-16.5V, stepper motor driver	3.79	3.22	2.55
24230	NSC	LM3914N⊕	DIP-18	25V, dot/bar display driver	. 2.39	2.05	1.94
300003	NSC	LM3914N-1⊕	DIP-18	25V, dot/bar display driver	1.65	1.54	1.38
246625	NSC	LM3914V⊕	PLCC-20	25V, dot/bar display driver	2.35	2.00	1.50
24256	NSC	LM3915N⊕	DIP-18	25V, dot/bar display driver	. 2.19	1.64	1.23
24272	NSC	LM3916N⊕	DIP-18	3-25V, dot/bar display driver	2.25	1.91	1.44
243379	+	MM5453N⊕	DIP-40	3-10V, LCD driver	. 2.69	2.44	2.10
314691	+	ICL7136CPL⊕	DIP-40	15V, 3 1/2 digit LCD driver	. 3.65	3.20	2.90
313437	+	ICM7218AIJI⊕	DIP-28	5V, 8 digit LCD driver	. 4.25	4.05	3.85
312160	MAX	MAX7219CNG⊕	DIP-24	5V, 8 digit LCD driver	. 8.95	6.95	4.65
313322	+	ICM7228AIPI	DIP-28	5V, 8 digit LCD driver	. 3.95	3.55	3.19
241875	+	FAN8082⊕	DIP-8	18V, bi-directional DC motor driver	65	.50	.40

FAN8200 DIP-14 18V, bi-directional step motor driver .69

🖈 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

1.77

241867

.93

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1.29

50964

235387

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Clock Chips (Continued)

For more Cypress Clock Chips visit www.Jameco.com

Interfa	nterface Series (Continued) Package (see pg 27)								
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100		
53663	+	93680	DIP-16	7V, 7-segment decoder driver	\$3.99	\$3.49	\$3.20		
700082	VSH	SI9978DW♠	SOIC-24	Configurable H-bridge driver	3.99	3.49	3.20		
241824	+	MC14489BP⊕	DIP-20	5V, 7-segment LED display driver \$3:	⁷⁵ 3.19	3.00	2.80		
277940	+	SN75179BP⊕		5V, diff line driver/receiver		.56	.52		
51027	+	SN75451AN⊕	DIP-8	7V, dual peripheral AND driver	34	.31	.23		
277974	+	SN75183N⊕	DIP-14	5V, dual diff line driver	91	.84	.78		
51131	+	SN75492P	DIP-14	5V, HEX digit driver	3.45	3.00	2.85		
◆ Jameco Value Offering									

ē·lab.	Digital	Inter	face ICs	Packa	ge (see	pg 27)
Part No.	Product No.	Pkg.	Description	1	10	50
323969	EDEFT609⊕	DIP-8	Serial stepper motor controller	\$11.99	\$10.19	\$7.72
323977	EDEFT639/P⊕	DIP-8	Servo controller	8.95	8.55	7.75
323993	EDEFT649⊕	DIP-8	Five pin output controller	8.95	8.55	7.65
171951	EDE702⊕	DIP-18	Serial LCD interface	8.75	7.06	6.17
321710	EDE707⊕	DIP-28	Octal 7-segment LED display decoder	8.99	7.65	6.75
321728	EDE747⊕	DIP-20	7-segment decoder/driver	5.99	4.65	4.15
321701	EDE1188⊕	DIP-28	8x8 matrix universal keypad encoder	8.89	7.65	6.30
171969	EDE1144⊕	DIP-18	Keypad encoder	6.99	5.65	5.00
141532	EDE1200⊕	DIP-18	Unipolar stepper motor controller	8.29	6.90	5.90
157526	EDE1204⊕	DIP-18	Bipolar stepper motor controller	7.55	6.35	5.35
321736	EDE2008⊕	DIP-18	Pushbutton debouncer w/ 8-independent cha	n 5.99	4.65	4.15
321744	EDE2108A⊕	DIP-20	One-of-eight latcher single channel	5.99	5.09	4.15
321752	EDE2108D⊕	DIP-20	One-of-eight latcher act/deact	5.99	5.09	3.82
321761	EDE2208/P⊕	DIP-18	8-pushbutton momentary to toggle	5.45	4.25	3.75
324005	EDE8744 ⊕	DIP-28	16-key serial keypad and 2x40 LCD driver .	. 13.89	11.81	8.86

5000 Series & Clock Chips Package (see pg 27) * Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Description	1	10	50
32803	TCM5089N	DIP-16	Touch tone generator	\$5.25	\$4.75	\$4.05
26091	MM5321N ⊙	DIP-16	TV camera synchronous generator	4.75	4.31	3.91
26171	MM5450N	DIP-40	LED display driver	2.79	2.60	2.30
86799	LM555CM	SOIC-8	Timer	*	.16	.13
27422	LM555CN**	DIP-8	Timer	29	.23	.20
126797	LMC555CN*	DIP-8	CMOS timer	51	.47	.42
24328	LM556N*	DIP-14	Dual timer	82	.60	.45
25101	MC146818♣	DIP-24	Real time clock with RAM	6.29	5.66	5.09
698496	M48T86PC1 ◆	DIP-24	5V PC real-time clock	5.05	4.89	4.69
10567	AM9513APC♣	DIP-40	Real time clock	39.95	33.96	25.47
*10 ncs in I	inear series IC c	ahinet ki	t ng 31 **20 ncs in Linear series IC ca	hinet kit	pg 31	

♣ Pull = Extra Savings **❸** Blue Part No. = Limited Quantity Available

Clock Chips				91		
Cross Ref.	Pkg.	Description		1	10	100
CY7B9910-5SC	SOIC-24	5V low skew buffer, 15-80MHz, 5	00ps, C-temp	\$5.85	\$5.30	\$4.83
CY7B9910-5SI	SOIC-24	5V low skew buffer, 15-80MHz, 5	00ps, I-temp.	8.25	8.00	7.77
CY7B9910-7SC	\$ SOIC-24	5V low skew buffer, 15-80MHz, 7	50ps, C-temp	5.95	5.36	4.93
CY7B9911V-5JC4	PLCC-32	ROBOCLOCK™ hi-speed, LV prog skew,	500ps, C-temp.	. 17.89	17.36	16.86
CY7B9911V-5JXC	♠PLCC-32	ROBOCLOCK™ hi-speed, LV prog skew buffe	er, 500ps, C-temp	17.89	17.36	16.86
CY7B991-2JC4	PLCC-32	5V prog skew buffer, 250ps, 15-80f	MHz, C-temp	. 16.29	14.66	12.99
CY7B991-5JC4	PLCC-32	5V prog skew buffer, 15-80MI	Hz, C-temp	9.95	9.04	8.02
CY7B991-5JI 	PLCC-32	5V prog skew buffer, 500ps, 15-8	OMHz, I-temp	10.95	10.61	10.30
CY7B991-7JC4	PLCC-32	ROBOCLOCK™ prog skew buffer, 15-80lV	1Hz, 750ps, C-tem	p 8.85	8.03	7.12
CY7B991-7JI♣	PLCC-32	5V prog skewbuffer, 750ps, 15-80	OMHz, I-temp	9.89	8.92	7.91
CY7B991V-2JC	♠PLCC-32	ROBOCLOCK™ LV prog. skew buffer,	250ps, C-temp	14.49	13.17	11.68
CY7B991V-5JC	♠PLCC-32	ROBOCLOCK™ LV prog skew buffe	r, 500ps, C-tem	p 5.99	5.79	5.62
	Cross Ref. CY7B9910-5SC CY7B9910-5SI CY7B9911V-5DC CY7B9911V-5DC CY7B991-2JC CY7B991-5JC CY7B991-7JC CY7B991-7JC CY7B991-7JC CY7B991-7JC	Cross Ref. Pkg. CY7B9910-5SC♠SOIC-24 CY7B9910-5SI♠ SOIC-24	CY7B9910-5SC♠SOIC-24 SV low skew buffer, 15-80MHz, 5 CY7B9910-7SC♠SOIC-24 SV low skew buffer, 15-80MHz, 5 CY7B9910-7SC♠SOIC-24 SV low skew buffer, 15-80MHz, 5 CY7B9911V-5JC♠ PLCC-32 CY7B9911V-5JC♠ PLCC-32 CY7B991-JJC♠ PLCC-32	Cross Ref. Pkg. Description CY7B9910-5SC♣ SOIC-24 5V low skew buffer, 15-80MHz, 500ps, C-temp CY7B9910-7SC♣ SOIC-24 5V low skew buffer, 15-80MHz, 500ps, C-temp CY7B9911V-5JC♣ PLCC-32 CY7B9911V-5JC♣ PLCC-32 ROBOCLOCK™ hi-speed, LV prog skew, 500ps, C-temp CY7B991-2JC♣ PLCC-32 ROBOCLOCK™ hi-speed, LV prog skew buffer, 500ps, C-temp CY7B991-5JC♣ PLCC-32 CY7B991-5JC♣ PLCC-32 SV prog skew buffer, 250ps, 15-80MHz, C-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 500ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 500ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 500ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 500ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 500ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 50ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 50ps, 15-80MHz, I-temp CY7B991-JJC♣ PLCC-32 SV prog skew buffer, 50ps, 15-80MHz, I-temp	Clock Chips visit www.Jan Cross Ref. Pkg. Description 1 CY7B9910-5SC♠SOIC-24 5V low skew buffer, 15-80MHz, 500ps, C-temp \$5.85 CY7B9910-7SC♠SOIC-24 5V low skew buffer, 15-80MHz, 500ps, C-temp 8.25 CY7B9910-7SC♠SOIC-24 5V low skew buffer, 15-80MHz, 500ps, C-temp 7.89 CY7B9911V-5JC♠ PLCC-32 R0B0CL0CK™ hi-speed, LV prog skew buffer, 500ps, C-temp 17.89 CY7B991-2JC♠ PLCC-32 5V prog skew buffer, 250ps, 15-80MHz, C-temp 16.29 CY7B991-5JC♠ PLCC-32 5V prog skew buffer, 500ps, 15-80MHz, C-temp 10.95 CY7B991-JJ♠ PLCC-32 7V prog skew buffer, 500ps, 15-80MHz, I-temp 10.95 CY7B991-JJ♠ PLCC-32 8V prog skew buffer, 750ps, 15-80MHz, I-temp 9.89 CY7B991-JJ♠ PLCC-32 5V prog skewbuffer, 750ps, 15-80MHz, I-temp 9.89 CY7B991-JJ♠ PLCC-32 8V prog skewbuffer, 750ps, 15-80MHz, I-temp 9.89 CY7B991-JJ♠ PLCC-32 8V prog skewbuffer, 750ps, 15-80MHz, I-temp 9.89 CY7B991-JJ♠ PLCC-32 8V prog skewbuffer, 90 skew buffer, 90 skewbuffer, 90 ske	Cross Ref. Pkg. Description 1 10 CY7B9910-5SC♠SOIC-24 5V low skew buffer, 15-80MHz, 500ps, C-temp \$5.85 \$5.30 CY7B9910-5SC♠SOIC-24 5V low skew buffer, 15-80MHz, 500ps, I-temp 8.25 8.00 CY7B9911V-5JC♠PLCC-32 ROBOCLOCK™ hi-speed, LV prog skew, 500ps, C-temp 1.95 5.36 CY7B9911V-5JC♠PLCC-32 ROBOCLOCK™ hi-speed, LV prog skew, 500ps, C-temp 17.89 17.36 CY7B991-2JC♠PLCC-32 5V prog skew buffer, 250ps, 15-80MHz, C-temp 16.29 14.66 CY7B991-5JC♠PLCC-32 5V prog skew buffer, 15-80MHz, C-temp 9.95 9.04 CY7B991-JC♠PLCC-32 5V prog skew buffer, 500ps, 15-80MHz, I-temp 10.95 10.61 CY7B991-JC♠PLCC-32 6V prog skew buffer, 500ps, 15-80MHz, I-temp 10.95 10.61 CY7B991-JI♠PLC-32 5V prog skew buffer, 500ps, 15-80MHz, 150ps, C-temp 8.85 8.03 CY7B991-JI♠PLC-32 5V prog skewbuffer, 750ps, 15-80MHz, I-temp 9.89 8.92 CY7B991-JI♠PLC-32 6V prog skewbuffer, 15-80MHz, 15-temp 14.49 13.17

CY7B991V-5JI♠ PLCC-32 ROBOCLOCK™ LV prog skew buffer, I-temp 8.95

CY7B991V-5JXC ₹ ♠ PLCC-32 ROBOCLOCK™ LV prog skew buffer, 500ps, C-temp 6.25

CY7B991V-5JXI **?** ♠ PLCC-32 ROBOCLOCK™ LV prog skew buffer, I-temp **14.65 11.71**

861257 CY7B991V-7JC♠PLCC-32 ROBOCLOCK™LV programmable skew buffer, 750ps, C-temp 6.69 779051 CY7B992-5JC♠ PLCC-32 5V prog skew clock buffer, 500ps, C-temp .. 5.55 CY7B992-7JI♠ PLCC-32 5V prog skew clock buffer, 750ps, I-temp 16.15 15.68 15.23 📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

Part No.	Cross Ref.	Pkg.	Description	1	10	100	
779392	CY7B993V-5AC	TQFP-100	ROBOCLOCK® hi-speed multiphase PLL buffer, 500ps, C-temp	\$31.29	\$30.39	\$29.52	
779405	CY7B993V-5AI♣	TQFP-100	ROBOCLOCK® hi-speed multiphase PLL buffer, 500ps, I-temp	43.65	42.43	41.21	
779413	CY7B9945V-2AC	TQFP-52	ROBOCLOCK® hi-speed multiphase PLL buffer, 250ps, C-temp	29.89	29.02	28.19	
779421	CY7B994V-2BBI◆	TBGA-100	ROBOCLOCK® hi-speed multiphase PLL buffer, 250ps, I-temp	. 66.75	64.89	63.04	
779430	CY7B994V-5BBC	*TBGA-100	ROBOCLOCK® hi-speed multiphase PLL buffer, 500ps, C-temp	47.25	45.90	44.59	
DAL	Clock Chips For more Dallas Clock Chips visit www.Jameco.com						
Part No.					40		
	Cross Ref.	Pkg.	Description	1	10	100	
780609	DS1337C♠		Description 12C serial real time, I-temp	. \$2.65	\$2.42	100 \$2.21	
780609 780617							
	DS1337C ♠	SOIC-16	I2C serial real time, I-temp	1.89	\$2.42		

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Part No.	Cross Ref.	Pkg.	Description	00000		1	10	100
780609	DS1337C ◆	SOIC-16	I2C serial rea	Il time, I-temp		. \$2.65	\$2.42	\$2.21
780617	DS1337U ♠	uSOP-8	I2C serial rea	Il time, I-temp		1.89	1.72	1.57
780625	DS1338U-33 ♠	uSOP-8	I2C RTC with	56-byte NV R	AM, I-temp	3.15	2.58	2.00
780633	DS1338Z-33 ♠	SOIC-8	I2C RTC with	56-byte NV R	AM, I-temp	3.15	2.58	2.00
780641	DS1339C-33♠	SOIC-16	I2C serial rea	Il time, I-temp		3.25	2.97	2.71
780650	DS1339U-33+ ₹ ♠	uSOP-8	I2C serial rea	Il time, I-temp		3.15	2.58	2.00
780668	DS1340U-33 ♠	uSOP-8	I2C RTC with	trickle charge	er, I-temp	3.15	2.58	2.00
780676	DS1340Z-33+	SOIC-8	I2C RTC with	trickle charge	er, I-temp	3.15	2.58	2.00
780713	DS1388Z-33 ♠	SOIC-8	RTC/Supervisor	v/ trickle charge &	512-bytes, I-temp	3.59	3.26	2.97
780721	DS1390U-33 ♠	uSOP-10	Low-voltage SPI/	3-wire RTC w/ trick	de charge, I-temp	2.69	2.44	2.23
780730	DS1392U-33♠	uSOP-10	Low-voltage SPI/	3-wire RTC w/ trick	de charge, I-temp	2.69	2.44	2.23
780748	DS14287 ♠	DIP-24	5V real time clo	ck w/ NV RAM c	ontrol, C-temp.	8.75	8.09	7.32
780764	DS1501WE♠	TSOP-28	Y2K compliant	watchdog real tir	ne, C-temp	. 11.69	8.64	7.86
80772	DS1501WEN+ ₹ ♠	TSOP-28	Y2K compliant	watchdog real tir	ne, I-temp	. 12.29	10.27	9.03
780781	DS1501WS♠	SOIC-28	Y2K compliant	watchdog real tir	ne, C-temp	. 11.15	8.53	7.13
780799	DS1501YS♠	SOIC-28	5V Y2K compli	ant watchdog rea	Il time, C-temp .	8.65	7.84	7.13
780801	DS1501YSN♠	SOIC-28	5V Y2K compli	ant watchdog rea	ıl time, I-temp	9.95	9.03	8.22
80810				ant watchdog rea			14.92	13.56
780828	DS1553WP-150 ◆	t	64k NV, Y2K con	npliant time keeping	RAM, C-temp	. 20.25	18.41	16.74
780836	DS1554WP-120 ◆	EMOD-32					21.25	19.32
80844	DS1556W-120+ 欠 ◆	t	1M NV. Y2K com	pliant time keeping	RAM, C-temp	. 35.85	32.60	29.64
80852	DS1557WP-120 ◆	t		pliant time keeping			86.22	78.38
81054	DS1685E-3♠	TSSOP-24					5.01	4.19
81062	DS1685E-5♠			•			5.01	4.19
81071	DS1685EN-3♠			•			5.30	4.83
81089	DS1685Q-5 ♠						4.89	4.45
81097	DS1685S-3♠						4.99	4.17
81100	DS1685S-5 ♠						4.74	4.17
81118	DS1687-3IND ◆			I-temp			8.73	7.94
81126	DS1687-5 ♠	DIP-24		C-temp			6.94	6.10
81134	DS1687-5+ ≈ ♠	DIP-24		C-temp			6.94	6.10
781142	DS1687-5IND ◆			I-temp			8.73	7.94
781151	DS1688S ♠	SOIC-28		d real time w/ NV			6.71	6.10
781169	DS1689SN ♠	SOIC-28		d real time w/ NV			8.36	7.00
781177		DIP-28		d real time w/ N\			14.66	12.88
781329	DS1742W-120 ◆	DIP-24		/ time keeping			18.89	16.60
81337	DS1743-100 ♠			nt NV time keepin			19.74	16.52
81345	DS1743W-120♠			t, NV time keeping RA		27.25	20.78	17.40
81361	DS1744W-120♠			t NV time keeping RAI			20.90	19.00
781370	DS1746-70♠			IV time keeping RAM		42.05	32.07	26.83
781388	DS1747WP-120+ 2 ♠			NV time keeping RAM		35.45	32.20	29.28
POWERCA				1 3	,			

UARTS				Packag	je (see	pg 27)
Part No.	Cross Ref.	Pkg.	Description	1	10	100
43158	6402♣	DIP-40	5V CMOS	\$6.25	\$5.35	\$4.99
27570	NS16C450N	DIP-40	Async. communication element, 5V	2.39	1.93	1.53
288770	TL16C452FN⊕	PLCC-68	Async. communication element, 5V	4.45	3.59	2.85
27596	NS16550AN⊕♣	DIP-40	Async. communication element, 5V	4.45	3.78	2.84
288809	TL16C550CN⊕	DIP-40	1-channel w/ 16-byte FIFO, 5V	2.79	2.27	1.79
288841	TL16C554FN⊕	PLCC-68	4-channel w/ 16-byte FIFO, 5V	9.89	9.39	8.93
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🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

861222 779034

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* Minimum order 5 pieces

Encoders/Decoders, Motor Controllers, Converters & Voltage Regulators

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%





Manufacturer Cross Reference Table Jameco Value Offering ◆									
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	ON Semi	ON	Texas Instruments	TI

Encod	Encoders/Decoders			Package (see above)			
Part No.	Cross Ref.	Pkg.	Description 1	10	100		
123730	HT12E⊕	DIP-18	Encoder, 2.4-12V\$1.69	\$1.49	\$1.29		
123748	HT12D⊕	DIP-18	Decoder, 2.4-12V 1.69	1.49	1.29		
243408	TP3054⊕	DIP-16	U-law PCM CODEC & filter, 5V 2.45	1.92	1.73		
296702	MC145026P€	DIP-16	Encoder, 2.5-18V	.97	.94		
296711	MC145027P€	DIP-16	Decoder, 4.5-18V 2.95	2.65	2.40		

Stepp	Stepper Motor Drivers/Controllers			Package (see above)		
Part No.	Cross Ref.	Pkg.	Description	1	10	100
288067	L297/1⊕	DIP-20	Stepper motor controller, 5V	\$5.19	\$4.99	\$4.46
245403	L298N⊕	MW-15	Dual full-bridge driver, 46V	3.05	2.65	2.45
288091	L6202⊕	DIP-18	DMOS full bridge driver, 48V \$7:15	5.65	4.80	3.84
288104	L6203⊕	MW-11	DMOS full bridge driver, 48V	9.05	8.75	8.25

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472: PIC-SERVO Motion Control Chipset for DC Motors

- PIC servo control for DC motors with digital encoders
- 32-bit position, velocity, and acceleration resolution
- · PWM and direction outputs connect to servo amplifier
- Two chip set (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)

175901: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents • Programmable accelerations and minimum step rates

323934: PIC-SERVO SC Servo Motion Control I.C.

- · For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- · Position control, velocity control, trapezoidal profiling, plus step & direction inputs

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Part No.	Description	Package 1	10 50	<u>o</u>
146472	Motion control chipset for DC motors⊕	DIP-28/18, 0.3" \$31.35	\$28.40 \$27.05	5
175901	Motion control chip for stepper motors	DIP-28, 0.3" 25.45	22.75 20.55	5
323934	SC servo motion control IC	DIP-28. 0.3" 29.95	27.50 25.75	5

A/D &	/D & D/A Converters					above)
Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748	7106CPL⊕	DIP-40	A/D, 3 1/2-digit LCD/LED display, 9V	\$3.25	\$2.91	\$2.41
43756	7107CPL⊕	DIP-40	A/D, 3 1/2-digit LCD/LED display, ±5V	2.95	2.40	2.05
290263	ICL7135CPI€	DIP-28	A/D, 4 1/2-digit BCD output, 5V	5.55	4.72	3.54
10145	ADC0803LCN⊕	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	4.29	3.10	2.69
10153	ADC0804LCN⊕	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-channel	1.99	1.75	1.39
10170	ADC0808CCN⊕	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	3.65	3.55	3.32
10188	ADC0809CCN⊕	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-channel	2.55	2.23	1.99
10225	ADC0820CCN⊕	DIP-20	A/D, 8-bit, 5V, 1.5μs	2.15	1.99	1.81
116100	ADC0831CCN€	DIP-8	A/D, 8-bit, 5V, 32µs	1.79	1.63	1.48
296690	AD7226KN€	DIP-20	D/A, 8-bit, 2-12.5V, 4µs, 4-channel	18.19	17.17	15.95
277165	MAX186BCPP€	DIP-20	A/D, 12-bit, 5V, 6µs, 8-channel	24.65	23.94	23.23
277069	MAX197BCNI€	DIP-28	A/D, 12-bit, 5V, 10Ksps, 8-channel	24.89	22.90	20.95
277131	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-channel	11.69	9.21	8.29

A/D &	D/A Conver	ters (Continued)	Packag	ge (see	above)
Part No.	Cross Ref. Pkg.	Description	1	10	100
287363	AD7714AN⊕ DIP-2	4 A/D, 24-bit, 5V, 1-2.5MHz, 6-channe	ıl \$17.75	\$17.65	\$17.50
115158	AD558JN⊕ DIP-1	6 D/A, 8-bit, 5-15V, 1-5-3μs, 1-channe	el 12.59	11.99	11.29
14904	DAC0800LCN⊕ DIP-1	6 D/A, 8-bit, 4.5-18V, 150ns	1.49	1.12	.83
14947	DAC0808LCN⊕ DIP-1	6 D/A, 8-bit, 4.5-18V, 150ns	1.43	1.18	.75
14963	DAC0830LCN⊕ DIP-2	0 D/A, 8-bit, 5-15V, 1μs	4.79	4.39	3.99
128186	DAC0832LCN⊕ DIP-2	0 D/A, 8-bit, 5-15V, 1μs	2.59	1.98	1.53
289861	TLC5628CDW⊕ SOIC-	16 D/A, 8-bit, 5V, 1MHz, 8-channel	4.75	4.29	4.15
290976	TLV5628CN⊕ DIP-1	6 D/A, 8-bit, 3V, 1MHz, 8-channel	4.69	3.79	2.99
290052	TLC7524CN ⊕ DIP-1	6 D/A, 8-bit, 5-15V, 100ns	2.75	2.34	1.75
239425	TLC5615⊕ DIP-8	D/A, 10-bit, 5V, 12µs, 1-channel	3.49	3.20	3.13
287347	AD767JN⊕ DIP-2			18.65	18.50
239433	DAC712⊕ DIP-2	8 D/A, 16-bit, 12-15V, 6μs 🖇	20: ⁰⁵ 18.35	18.11	17.91
			more TI Vol		julators

			· ·		0. 40.	o p.0000
Part No.	Cross Ref.	Pkg/Pins	Description	1	5	50
700461	TPS78601DCQ♠	SOT-223	Ultralow-noise, fast, RF, 1.5A LDO linear reg.	\$2.95	\$2.80	\$2.60
700470	TPS78601KTTT ₹	◆ TO-263/5	Ultralow-noise, fast, RF, 1.5A LDO linear reg.	3.49	3.60	3.25
700488	TPS78625DCQ♠	SOT-223	Ultralow-noise, high-PSRR, 1.5A LDO linear reg	2.69	2.62	2.54
700496	TPS78625KTTT ₹	◆ TO-263/5	Ultralow-noise, high-PSRR, 1.5A LDO linear reg	3.19	3.10	3.01
700509	TPS78633DCQ₹	SOT-223	Ultralow-noise, high-PSRR, 1.5A LDO linear reg	2.69	2.62	2.54
700517	TPS79201DBVT₹	◆ SOT-23	Ultralow-noise, high-PSSR, 100mA LDO linear reg.	79	.77	.75
700525	TPS79318DBVR₹	♦ SOT-23	Ultralow-noise, high-PSSR, 200mA LDO linear reg.	*	.437	.424
700533	TPS79501DCQ₹	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	2.09	2.03	1.98
700541	TPS79518DCQ₹	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	2.09	2.03	1.98
700550	TPS79525DCQ₹	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	2.09	2.03	1.98
700568	TPS79533DCQ₹	SOT-223	Ultralow-noise, high-PSSR, 500mA LDO linear reg.	2.09	2.03	1.98
700576	TPS79601DCQ ₹	SOT-223	Ultralow-noise, high-PSSR, 1A LDO linear reg.	2.19	2.13	2.07

TPS79601KTTT ₹ • TO-263/5 Ultralow-noise, high-PSSR, 1A LDO linear reg. 2.59 2.52 2.44

TPS79633DCQ₹♠ SOT-223 Ultralow-noise, high-PSSR, 1A LDO linear reg. 2.19 2.13

◆ TEXAS DATE LABORATE
Low Drop-Out Volt. Reg.

Low D	rop-Out	t Volta	ge R	egulators		Package	e (see	above)
Part No.	Mfr. Cross F	Ref. Pkg/	Pins Des	scription		1	10	100
299743	◆ LM1084l	T-ADJ⊕ TO-2	20 5A	low drop out adj. pos. v	olt. reg.	\$1.99	\$1.52	\$1.13
299735	◆ LM1084I	IT-3.3 ⊕ TO-2	20 5A	low drop out 3.3V pos.	volt. reg.	2.95	2.51	1.88
282757	◆ LT108!	5CT⊕ TO-2	20 3A	low drop pos volt reg. a	adj./fixed	1.34	1.21	.91
302455	◆ LM10851	T-ADJ⊕ TO-2	20 3A	low drop out adj. pos. v	olt. reg.	2.49	1.85	1.39
192305	◆ LM10860	CT-3.3⊕ TO-2	20/3 1.5	A low dropout positive re	g. (3.3V)	1.09	.81	.60
192313	◆ LM10860	CT-5.0 ⊕ TO-2	20/3 1.5	A low dropout positive	reg. (5V)	1.49	1.27	.95
251782	◆ LM1117MI	PX-ADJ⊕ SOT-:	223/3 800	OmA low drop out linear	regulato	r .46	.44	.396
242114	◆ LM1117	T-3.3 ⊕ TO-2	20/3 800	0mA, 3.3V, LDO voltage	reg	66	.63	.57
243539	◆ LM1117	T-ADJ⊕ TO-2	20/3 800	OmA, adj., LDO voltage	reg	1.27	1.08	.81
314326	ANA AP1184	K5L ₹ TO-2	63/5 4A	ultra LDO adj. reg		5.29	3.69	3.29
244152	◆ LT15870	T-3.3⊕ TO-2	20/3 3A	, 3.3V, LDO voltage reg.		1.55	1.18	.89
297810	NSC LM2937	ET-5.0 ⊕ TO-2	20 5V	500mA LDO regulator		1.22	1.12	1.02
192495	◆ LM29400	CT-12 ⊕ TO-2	20/3 12\	V LDO reg. (max. 45Vin)		85	.72	.542
107182	◆ LM2940	CT-5 ⊕ TO-2	20/3 5V	LDO reg. (max. 45Vin)		1.39	1.05	.77
121064	◆ LM294	1CT⊕ TO-2	20/5 1A	LDO adjustable reg. (45	Vin)	99	.88	.76
693804	NSC LM2941	CT-LB03 TO-2	20/5 1A	LDO adjustable reg. (45	Vin)	99	.88	.71
266757	◆ LP29500	Z-5.0 ⊕ TO-9	2 100	OmA low pwr. LDO volt.	reg	80	.59	.29
192524	◆ I M3940I	IT-3 3∰ TO-2	20/3 1A	LDO for 5V to 3 3V		1 69	1 28	95

📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

🗷 RoHS compliant product 🕒 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

◆ Jameco Value Offering

700584

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

1220-00		Thousands of new ICs are in	For more ON S					•		For more ON S	emi Volt	. Reg.
ON Se	miconductor ¹	Voltage Regulators	visit <u>www.J</u>	ameco.c	<u>com</u>	ON Ser	miconductor*	Volt	age Reg. (Cont.)	visit <u>www.J</u> a	ameco.	<u>com</u>
Part No.	Cross Ref.	Pkg/Pins Description	* Minimui 1	m order 5 5	5 pieces 50	Part No.	Cross Ref.	Dka/Dine	Description	* Minimur 1	n order ! 5	5 pieces 50
875991		D2PAK 5V, 1A pos. volt reg., I-temp				877275			3-12V, 1A neg. volt reg., C-te			\$.358
876037		D2PAK 5V, 1A pos. volt reg., C-tem		.71	.65	797873			3-15V, 1A neg. volt reg., C-te		.275	
797267	MC7805ACTG ≈ ♠	TO-220/3 5V, 1A pos. volt reg., C-tem	p*	.375	.348	877312	MC7915BT◆	TO-220/3	3-15V, 1A neg. volt reg., I-te	mp *	.252	.229
876070	MC7805BD2T♠	D2PAK 5V, 1A pos. volt reg., I-temp		.81	.63	797890			3-15V, 1A neg. volt reg., C-te		.287	
876125		TO-220/3 5V, 1A pos. volt reg., I-temp		.255	.236	797911	MC7924CT♠		3 - 24V, 1A neg. volt reg., C-te		.383	
797283 876205		D2PAK 5V, 1A pos. volt reg., C-tem D2PAK 5V, 1A pos. volt reg., C-tem		.342	.293	797937 877371			-5V, 100mA neg. volt reg., -5V 100mA, neg. volt reg.,		.39	.353
876248		TO-220/3 5V, 1A pos. volt reg., C-tem		.272	.256	877451			-5V, 100mA neg. volt reg.,		.272	
797304	MC7806ACT	TO-220/3 6V, 1A pos. volt reg., C-tem		.437	.323	877478			-12V, 100mA neg. volt reg.		.188	
797347		TO-220/3 6V, 1A pos. volt reg., I-temp		.253	.216	877494	MC79L12ACP♠	TO-92/3	-12V, 100mA neg. volt reg.	C-temp *	.291	.23
876264	MC7806CT♠	TO-220/3 6V, 1A pos. volt reg., C-tem	p*	.275	.225	797945	MC79L15ACDG ≈ ♠	SOIC-8	-15V, 100mA neg. volt reg.	C-temp *	.112	.109
876281	MC7808ACT♠	TO-220/3 8V, 1A pos. volt reg., C-tem	p*	.433	.392	877531			-15V, 100mA neg. volt reg.		.204	
876310	MC7808BT♠	TO-220/3 8V, 1A pos. volt reg., I-temp		.437	.392	877558	MC79M05CT♠		3 -5V, 500mA neg. volt reg.,		.308	
797363	MC7808CD2T♠	D2PAK 8V, 1A pos. volt reg., C-tem		.372	.338	877574 797961	MC79M12CT♠		3 -12V, 500mA neg. volt reg.		.329	
797380		TO-220/3 8V, 1A pos. volt reg., C-tem	•	.268	.248	797901	IVIC/9IVITOCTG 🕿	10-220/3	3-15V, 500mA neg. volt reg.	C-temp *	.223	. 100
876352 797419	MC7809CT	TO-220/3 9V, 1A pos. volt reg., C-tem D2PAK 12V, 1A pos. volt reg., C-ter		.411 .36	.372	Voltag	ge Regulato	ors		Packag	e (see i	pa 29)
797419		TO-220/3 12V, 1A pos. volt reg., C-ter	•	.254	.235		.			* Minimum		
876395	MC7812BT ♠	TO-220/3 12V, 1A pos. volt reg., I-tem		.433	.393	Part No.	Mfr. Cross Ref.	Pkg/Pins	Description	1	10	100
876408	MC7812CD2T ◆	D2PAK 12V, 1A pos. volt reg., C-ter		.70	.534	23499			5V 1A regulator (0°C to +12!	5°C) \$4.99		
876441	MC7812CTG ≈ ♠	TO-220/3 12V, 1A pos. volt reg., C-ter	np*	.287	.267	192268	◆ LM317AT⊕	TO-220/3	3-terminal adjustable reg. (1	.2V-37V) 1. 75	1.25	.95
876467	MC7815ACD2T♠	D2PAK 15V, 1A pos. volt reg., C-ter	np*	.415	.378	192276	◆ LM317HVT⊕	TO-220/3	3-terminal adjustable reg. (1	.2V-57V) 1.99	1.77	1.31
797451		TO-220/3 15V, 1A pos. volt reg., C-ter	•	.255	.236	23544			1.5A adj. pos. reg. (1.2V-37)	•	1.59	1.47
876504	MC7815BT♠	TO-220/3 15V, 1A pos. volt reg., I-tem		.387	.293	23552			100mA adj. pos. reg. (1.2V-		.22	.20
876547		TO-220/3 15V, 1A pos. volt reg., C-ter		.291	.254	23579			1.5A adj. pos. reg. (1.2V-37	•	.39	.34
876563 797478	MC7818CT♠ MC7824ACT♠	TO-220/3 18V, 1A pos. volt reg., C-ter		.349	.284	23667 23798	_		5V 3A positive regulator			2.29
797476	MC7824BT♠	TO-220/3 24V, 1A pos. volt reg., C-ter TO-220/3 24V, 1A pos. volt reg., I-tem		.437 .386	.392	296841			1.5A/3 term. adj. neg. reg 3-terminal adj. neg. voltage		.57	(.43)
876580	MC7824CT♠	TO-220/3 24V, 1A pos. volt reg., C-ter		.228	.212	23819			1.5A/adj. neg. reg. (-1.2V-37		.55	.44
876601	MC78L05ABD♠	SOIC-8 5V, 100mA pos. volt reg., I-		.388	.314	23835			5A adj. pos. reg. (1.2V-32V)			3.74
876643	MC78L05ABP♠	TO-92/3 5V, 100mA pos. volt reg., I-	temp *	.369	.333	192284			5A adjustable regulator			.99
797507	MC78L05ACDG ≈ ♠	SOIC-8 5V, 100mA pos. volt reg., C	-temp *	.369	.333	23931			3A/3 term. adj. pos. reg. (1.3		4.25	3.19
876715	MC78L05ACP	TO-92/3 5V, 100mA pos. volt reg., C		.33	.235	23940			3 amp. adj. power regulator		.89	.69
876758	MC78L08ACD♠	SOIC-8 8V, 100mA pos. volt reg., C		.369	.28	278248	♦ TL431AILP⊕		Adjustable precision shunt r	ŭ .	.34	.252
876791		TO-92/3 8V, 100mA pos. volt reg., C		.317	.23	24467	◆ LM723CN⊕*		Voltage regulator (2V-37V)		.24	.23
876811 797515	MC78L09ACD♠ MC78L12ABDG≉♠	SOIC-8 9V, 100mA pos. volt reg., C SOIC-8 12V, 100mA pos. volt reg., I		.129	.126	301719 298071	 ◆ LM723H⊕ ◆ MAX755CSA⊕ 		2V - 37V, 150mA adj. voltag -5V/adj., neg. output, invert, curr. mod			3.20
876854	MC78L12ACD♠	SOIC-8 12V, 100mA pos. volt reg., (.369	.333	156566	NSC LM2574N-5⊕		Step-down 5-voltage regulator			.97
876897	MC78L12ACP♠	TO-92/3 12V, 100mA pos. volt reg., (.317	.23	279638			Switcher 1A step down V-reg , high			3.52
797558	MC78L15ABDG ≈ ♠			.15	.13	693177			Switcher 1A step down V-reg , high			3.15
876918	MC78L15ACD♠	SOIC-8 15V, 100mA pos. volt reg.,	C-temp *	.34	.304	192399	◆ LM2576HVT-12 ↔	TO-220/5	Switcher 3A step down V-reg , high	Vin range 4.85	4.13	3.71
876942	MC78L15ACP♠	TO-92/3 15V, 100mA pos. volt reg.,	C-temp *	.223	.162	192372			Switcher 3A step down V-reg , high			2.95
876969	MC78M05BT♣	TO-220/3 5V, 500mA pos. volt reg., I-		.442	.334	245569			Simple switcher 3A step down vo			1.40
797566		TO-220/3 5V, 500mA pos. volt reg., C		.498	.39	120977			Simple switcher 3A step down vo			1.05
797582	MC78M06CT♠	TO-220/3 6V, 500mA pos. volt reg., C		.329	.25	300919			Simple switcher 3A flyback reg. w/			5.06
877005 797603	MC78M08CT♠ MC78M12ACT♠	TO-220/3 8V, 500mA pos. volt reg., C TO-220/3 12V, 500mA pos. volt reg., C		.446 .256	.323	310391 290888	_		Simple switcher 3A step-down vo Adj. voltage hi efficiency swi			2.90
797620	MC78M12BT♠	TO-220/3 12V, 500mA pos. volt reg., I		.442	.334	245649			Ultra-low quiescent current 3.			2.20
797646		TO-220/3 12V, 500mA pos. volt reg., (.208	.202	107166	_		Ultra-low quiescent current 5	_		1.18
797697		TO-220/3 15V, 500mA pos. volt reg., I		.541	.49	51246	_		5V 1A pos. voltage reg. (LM	_		2.95
797718	MC78M15CTG ₹	◆TO-220/3 15V, 500mA pos. volt reg.,	C-temp *	.301	.265	51262	→ 7805T⊕**	TO-220/3	5V 1A pos. voltage reg. (LM	340T-5) .35	.32	.28
797734	MC78M18CT♠	TO-220/3 18V, 500mA pos. volt reg.,	C-temp *	.238	.195	51182	→ 78L5CZ⊕**	TO-92	5V 100mA pos. voltage regu	lator27	.24	.22
797751		TO-220/3 20V, 500mA pos. volt reg., €		.227	.193	193754	_		5V 100mA pos. voltage regu		.21	.19
877064	MC78M24CT♠	TO-220/3 24V, 500mA pos. volt reg., (.321	.278	192233	_		5V 500mA pos. voltage regu		.19	.17
797777		♣TO-220/3 -5.2V, 1A neg. volt reg., C-to		.498	.453	51297	◆ 7806T⊕ ◆ 7806T⊕ *		6V 1A pos. voltage reg. (LM		.25	.21
797793 707914		D2PAK -5V, 1A neg. volt reg., C-ten		.362	.328	51300	_		8V 1A pos. voltage reg. (LM		.35	.263
797814 877136	MC7905ACTG R •	 TO-220/3 -5V, 1A neg. volt reg., C-ten TO-220/3 -5V, 1A neg. volt reg., I-tem 		.433	.392	192225 51318			9V 100mA pos. voltage regu 12V 1A pos. voltage reg. (LM3		.173	1.59
877179		TO-220/3 -5V, 1A neg. volt reg., C-ten		.375	.307	51316			12V 1A pos. voltage reg. (LM:		.32	.24
877208	MC7906CT♠	TO-220/3 -6V, 1A neg. volt reg., C-ten		.329	.25	51203			12V 100mA pos. voltage rec		.131	.098
877216	MC7908CT	TO-220/3 -8V, 1A neg. volt reg., C-ten	-	.338	.25	192241			12V 500mA pos. voltage reg		.20	.18
797831	MC7912ACT♠	TO-220/3 -12V, 1A neg. volt reg., C-te	mp*	.386	.293	51369	♦ 7815K⊕	TO-3/2	15V 1A pos. voltage reg. (LM3	340K-15) 1.19		.76
797857	MC7912BTG 欠 ◆	TO-220/3 -12V, 1A neg. volt reg., I-ter	mp*	.433	.392	◆ Jameco \	/alue Offering *10 pi	eces inclu	ded in Linear kit, pg 31 **20	ocs. included in L	inear kit	., pg 31
◆ This pro	duct ships from a sepa	rate warehouse and may require up to 4 d	ays to ship. Each	warehou	se will a	ccrue separate s	hipping charges. Sorry	, we're un	able to ship COD.			

Voltage Regulators, PLLs, Audio, Comparators & Buffers

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table Jameco Value Offering →												
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code			
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST			
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	ON Semi	ON	Texas Instruments	TI			

Voltag	Voltage Regulators (Continued) Package (see above)											
					* Minimum	order 10) pieces					
Part No.	Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100					
51377	+	7815T ⊕ *	TO-220/3	15V 1A pos. voltage reg. (LM340T-	15) \$.28	\$.25	\$.22					
192250	+	78M15CT	TO-220/3	15V 500mA pos. voltage regulato	r32	.27	.21					
194634	+	7818T ⊕	TO-220/3	18V 1A pos. voltage reg. (LM340T-	-18) .45	.35	.26					
51414	+	7824T ⊕	TO-220/3	24V 1A pos. voltage reg. (LM340	T-24) . 36	.34	.31					
51238	+	78S40CN⊕	DIP-16	1.25V-40V 1.5A switching regula	tor 1.35	1.08	.87					
51457	+	7905T⊕*	TO-220/3	-5V 1A neg. voltage reg. (LM320	T-5) .42	.38	.36					
51422	+	79L05ACP	TO-92	-5V 100mA neg. voltage regulato	r25	.22	.165					
51481	+	7912CT⊕*	TO-220/3	-12V 1A neg. voltage reg. (LM320	OT-12) . 31	.27	.21					
51431	+	79L12CZ⊕	TO-92	-12V 100mA neg. voltage regulat	or23	.21	.16					
51502	+	7915CT⊕*	TO-220/3	-15V 1A neg. voltage reg. (LM320	OT-15) . 32	.27	.22					
194749	+	79L15ACZ€	TO-92	-15V 100mA neg. voltage regulat	or41	.349	.262					
193818	+	79L15ACM⊕ ©	SOIC-8	-15V 100mA neg. voltage regulat	or <mark> *</mark>	.114	.103					
316945	+	MC34063AP1€	DIP-8	1.5A Step-up/down inverting switch r	eg .66	.56	.421					
→ Jameco Value Offering *10 pieces included in Linear kit, pg 31 Blue P/N = Limited Quantity Available												

National Semiconductor Phase Lock Loop

For more National Phase Lock Loops visit www.Jameco.com

Part No.	Cross Ref.	Pkg.	Description	1	10	100
843180	LMX2306TM/NOPB ₹	◆ TSSOP-16	Low power freq. syn. for RF personal comm	\$2.45	\$1.86	\$1.66
904456	LMX2316TM♠	TSSOP-16	Low power freq. syn. for RF personal comm	2.49	1.90	1.69
843219	LMX2326TM/NOPB ₹	♠TSSOP-16	Low power freq. syn. for RF personal comm	2.95	2.23	2.21
843251	LMX2330LTM ◆	TSSOP-20	Dual freq. syn. for RF personal comm	2.95	2.25	2.09
843278	LMX2332LTM ◆	TSSOP-20	Dual freq. syn. for RF personal comm	2.55	1.95	1.80
843315	LMX2346TM ♠	TSSOP-16	Freq. syn. for RF personal comm	3.49	2.63	2.47
843340	LMX2350TM♠	TSSOP-24	Fractional N RF/integer N IF dual LP freq syn	5.95	4.49	4.21
843374	LMX2352TM 	TSSOP-24	Fractional N RF/integer N IF dual LP freq syn	5.35	4.07	3.81
843411	LMX2354TM♠	TSSOP-24	Fractional N RF/integer N IF dual LP freq syn	3.95	2.99	2.79

**Semiconductor Audio Amplifiers

For more National Audio Amplifiers visit www.Jameco.com

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			*	Minimur	m order !	5 pieces
Part No.	Cross Ref.	Pkg.	Description	1	5	50
839797	LM386M-1/NOPB 🗷	SOIC-8 €	Low voltage audio power amp	\$1.09	\$.77	\$.57
900973	LM386MX-1♠	SOIC-8	Low voltage audio power amp	*	.249	.226
839826	LM386N-1/NOPB ₹	∲ DIP-8	Low voltage audio power amp	. 1.09	.79	.57
841361	LM833M/NOPB	SOIC-8	Dual audio operational amp	1.09	.79	.57
903058	LM833MX♠	SOIC-8	Dual audio operational amp	90	.67	.49
841395	LM833N/NOPB	DIP-8	Dual audio operational amp	1.09	.79	.57
835753	LM1875T/LB03	TO-220/5	20W audio power amp	. 3.19	2.42	1.86
835761	LM1876T ◆	TO-220/15	Dual 20W audio power amp w/ mute & standby modes	5.15	4.67	4.26
835770	LM1876TF♠	TO-220/15	Dual 20W audio power amp w/ mute & standby modes	5.59	4.96	4.43
835788	LM1877M-9/NOPB	DIP-14	Dual audio power amp	1.75	1.27	.93
835809	LM1973M ◆	SOIC-20	μPOT™ 3-ch 76dB audio attenuator w/ muto	e 4.35	3.35	3.09
835817	LM1973N ♠	DIP-20	μPOT™ 3-ch 76dB audio attenuator w/ muto	e 4.69	3.57	3.35
840270	LM4752TS♠	TO-263/7	Stereo 1W audio power amp	. 2.79	2.10	1.57
901634	LM4765T ◆	TO-220/15	Dual 30W audio power amp w/ mute & standby modes	5.15	3.93	3.55
840122	LM4835MTE ◆	TSSOP-28	2W audio power amp w/ DC vol control & selectable gai	n 3.49	2.67	2.50
901554	LM4861M ◆	SOIC-8	1.1W audo power amp. w/ shutdown mode	1.49	1.12	.87
840181	LM4862M/NOPB	SOIC-8	675mW audo power amp. w/ shutdown mode	1.75	1.28	.94
840211	LM4865M ◆	SOIC-8	750mW audio pwr amp. w/ DC vol control/headphone s	w 1.79	1.34	1.04
901597	LM4880M ◆	SOIC-8	Dual 250mW audo power amp. w/ shutdown mode	1.45	1.09	.80
840245	LM4890M ◆	SOIC-8	1W audio power amp	. 1.49	1.10	.91

Part No.		plifiers Cross Ref.	Pkg.	Description 1	10	100
243678		OP275GP⊕		Dual JFET audio op amp \$1.75	\$1.61	\$1.47
243070		LM380N⊕	DIP-14	2-watt audio power amp	.87	.63
24037		LM383T		7-watt audio high power amp 5.95	5.39	4.95
24086		LM384N⊕	DIP-14	5-watt audio amp	.81	.66
193623	♦	LM386M-1€		Low volt. audio power amp. 250mW/12V .26	.24	.22
24125	+	LM386N-1⊕*		Low voltage audio amp. 250mW/6V48	.35	.29
24125	+	LM386N-3⊕*		3 1	.59	.49
24133	•	LM725CN⊕		Low voltage audio amp. 500mW/9V69		_
24483 295718		LM1203N⊕		Instrumentation op amplifier	1.68	1.26
				RGB video amp. 4.55	3.87	2.90
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation) 1.95	1.85	1.75
23270				20-watt power audio amplifier 1.95	1.91	1.64
23288		LM1877N-9⊕		Dual power audio amplifier	.89	(.67
245542		LM1881M⊕		Video synchronous separator 1.95	1.66	1.24
107140		LM1881N⊕		Video synchronous separator 2.85	2.19	1.66
243547		LM1894N⊕		DNR noise reduction	2.48	1.86
32897	ST	TDA2002V		8-watt audio high power amp 3.75	3.35	3.00
315344	ST			20W hi-fi audio power amp 2.45	2.08	(1.56
275830	ADI	OPA2134PA⊕		High-performance audio op amp 2.29		1.73
275821		OPA2134UA€		High-performance audio op amp 2.25	2.02	1.82
252013	NSC	LM3875T⊕	TO-220/11	56W high perf. audio power amp 5.19	4.40	4.00
320670	NSC	LM3886TF⊕	TO-220/11	68W high perf. audio amp., isol. pkg. 5.59	4.45	4.18
192516	NSC	LM3886T⊕	TO-220/11	68W high perf. audio amp 4.35	3.95	2.95
302201	NSC	LM4752T⊕	TO-220	Stereo 11W audio power amp 2.35	1.76	1.32
316873	MOT	MC34119D⊕	SOIC-8	LP audio amp. (500mW, 16VDC)56	.48	.36
316865	MOT	MC34119P⊕	DIP-8	LP audio amp. (500mW, 16VDC) 1.02	.87	.65
◆ Jameco \	/alue 0	ffering *10	pcs. inclu	ded in Linear kit, pg 31		

Compa	ıraı	ors			Packag	ge (see	above)
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
282087	+	LM139J⊕	CDIP-14	Low pwr, low offset volt quad comp	\$3.25	\$2.76	\$2.07
23528	+	LM311N⊕*	DIP-8	Voltage comparator	35	.25	.19
23632	+	LM319N⊕	DIP-14	High speed dual comparator	31	.264	.197
143888	+	LM339AN⊕	DIP-14	Low power quad comparator	29	.23	.193
193594	+	LM339M⊕	SOIC-14	Low power low offset volt quad comp	27	.23	.17
23851	+	LM339N⊕**	DIP-14	Quad comparator	21	.19	.165
120900	+	LM392N⊕	DIP-8	Low power op amp./volt comp	1.18	1.00	.75
212177	+	LM393AN⊕	DIP-8	Low pwr low offset volt dual comp.	20	.175	.135
24281	+	LM393N⊕*	DIP-8	Dual comparator	20	.18	.17
312266	LTC	LT1016CS8€	SOIC-8	Ultra-fast precision 10ns comparator.	4.89	3.55	2.76
107238	+	LM3302N⊕	DIP-14	Low pwr low offset volt quad comp	33	.28	.21
▲ Jameco V:	∩ مبياد	fforing *10 nic	acas inclu	dad in Linear kit na 31 ** 20 niacas inc	luded in	inoar kit	na 31

Buller	5			Packa	ge (see a	above)				
Part No.	Mfr.	Cross Ref.	Pkg.	Description 1	10	100				
23051	+	LH0002CN	DIP-10	General purpose buffer \$12.25	\$10.25	\$7.95				
277552	TI	BUF634P⊕	DIP-8	250mA high speed buffer 5.85	5.54	5.27				
277544	TI	BUF634T⊕	TO-220	250mA high speed buffer 7.85	7.60	6.99				
277579	TI	BUF634U⊕	SOIC-8	250mA high speed buffer 5.85	5.54	5.27				
→ Jameco Value Offering										

[•] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

D. .ffara

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

	ps						
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	10
27852	+	OP07CP⊕	DIP-8	Ultra-low offset voltage op amp \$.	.61	\$.59	\$.56
252988	+	OP07DP⊕	DIP-8	Very low offset single bipolar op amp .	.68	.58	(.43)
23106	+	LM10CLN⊕	DIP-8	Low voltage (1.1 volt) op amp 1.	.75	1.49	1.26
120715	+	LM10CN⊕	DIP-8	Op amp and voltage reference 2.	.45	1.90	1.43
120723	NSC	LM12CLK⊕	TO-3/4	80W op amp 17.	.05	16.10	15.30
115300	+	OP27EP⊕	DIP-8	Low noise precision op amp 4.	.39	3.57	2.67
115318	+	OP27GP⊕	DIP-8	Low noise prec op amp (-40° to 80°C) 1.	.89	1.54	1.15
275805	TI	OPA27GP⊕	DIP-8	Ultra-low noise precision op amp 2.	.39	2.14	1.89
275784	TI	OPA27GU⊕	SOIC-8	Ultra-low noise precision op amp 2.	.25	1.49	1.11
214068	+	TL034CN⊕	DIP-14	Enhanced low pwr/offset op amp 1.	.05	.92	.83
275768	+	OPA37GP⊕	DIP-8	Ultra-low noise precision op amp 2.	.45	2.19	1.97
213153	+	TL054ACN	DIP-14	Enhanced JFET low offset op amp 4.	.25	3.61	2.71
33161	+	TL062CP⊕	DIP-8	Low power JFET op amp (high slew)	.23	.199	.14
33187	+	TL071CP⊕	DIP-8	Low noise JFET op amp.		.31	.23
213073	+	TL072ACP⊕	DIP-8	Low noise JFET input op amp	.56	.43	.31
33195	+	TL072CP⊕*	DIP-8	Low noise JFET dual op amp		.25	.24
33216	+	TL074CN⊕*		Low noise JFET quad op amp.		.43	.34
213057	+	TL081ACP⊕		JFET input op amp, low offset w/ control .		.43	.32
33232	+	TL081CP⊕		JFET input op amp., offset control		.21	.20
214076	+	TL082ACP⊕		JFET input op amp., low offset		.32	.29
253198	+	TL082BCP⊕		JFET input op amp., lowest offset		.46	.37
33241	+	TL082CP⊕*		JFET input dual op amp		.40	.30
214084	+	TL084ACN⊕				.32	.27
				JFET input op amp.			
193535	+			JFET input quad op amp		.23	(.17
33267	+	TL084CN⊕*		JFET input quad op amp.		.40	.37
276488	TI	OPA124U⊕		Low noise prec. DiFET op amp		7.15	6.81
302359	+	LM224J⊕		Low power quad industrial temp 3.		3.39	3.12
212142	+	LM258N⊕	DIP-8	Low pwr dual op amp industrial temp .	.35	.32	(.24
280241	+	TLC277CP⊕	DIP-8	Prec. dual op amp, low offset 1.	.47	1.18	.98
245665	+	LM301AH⊕	TO-5/8	Operational amplifier2.	.15	1.83	(1.37
212151	+	LM301AN⊕		Operational amplifier	.34	.289	.26
245673	+	LM308AH⊕	TO-5/8	Precision op amplifier3.	.29	2.80	2.10
23464	+	LM308N*	DIP-8	Precision op amplifier 5.	.49	4.99	4.36
23608	+	LM318N⊕	DIP-8	Precision high speed op amplifier	.59	.54	.48
212169	+	LM324AN⊕	DIP-14	Low power quad op amp, impr. offset .	.29	.25	.22
86721	+	LM324D⊕	SOIC-14	Low power quad op amplifier	.21	.18	(.13
23683	+	LM324N⊕**	DIP-14	Low power quad op amplifier	.28	.24	.21
22904	+	LF347N⊕	DIP-14	Quad JFET input op amp (wide band)		.32	.26
23915	+	I M348N⊕	DIP-14	Quad 741 op amp (UPC4741C)		.18	.14
22912	+	LF351N⊕	DIP-8	BIFET op amplifier		.35	.29
22939	+	LF353N⊕*	DIP-8	Dual BIFET (comp w/ TL082CP)		.37	.35
22971	+	LF356N⊕*	DIP-8	JFET input op amplifier (wide band)		.67	.49
22998	+	LF357N	DIP-8	JFET input op amp (wide band decom.) 2.		2.30	1.72
	.	_					
246588	Ţ	LM358AM⊕		Low power dual (improved 350N)		.204	.19
	+	LM358AN⊕		Low power dual (improved 358N)		.25	.23
120862	+	LM358N⊕*		Low power dual op amplifier		.21	.18
23966			DIP-8	Low offset drift JFET input op amp 1.	.35	1.00	.75
23966 23018	+	LF411CN⊕*		· · · · · ·			
23966 23018 193640	++	LF412CD ⊙		Low offset drift JFET input dual	.27	.24	.22
23966 23018 193640 23026	+ + +	LF412CD� LF412CN⊕*	DIP-8	Low offset drift JFET input dual Low offset drift JFET input dual 1.	. <mark>27</mark> .03	.76	.56
23966 23018 193640 23026	+ + +	LF412CD ③ LF412CN ⊕ * LF442CN ⊕	DIP-8 DIP-8	Low offset drift JFET input dual	.27 .03 .35		
23966 23018 193640 23026 106681 119992	+ + + +	LF412CD ᢒ LF412CN ⊕* LF442CN ⊕ LF444CN ⊕	DIP-8 DIP-8 DIP-14	Low offset drift JFET input dual	.27 .03 .35	.76 1.00 1.02	.56
23966 23018 193640 23026 106681 119992	+ + + +	LF412CD ③ LF412CN ⊕ * LF442CN ⊕	DIP-8 DIP-8 DIP-14	Low offset drift JFET input dual	.27 .03 .35	.76 1.00	.56
23966 23018 193640 23026 106681 119992 276541	+ + + +	LF412CD ᢒ LF412CN ⊕* LF442CN ⊕ LF444CN ⊕	DIP-8 DIP-8 DIP-14 DIP-8	Low offset drift JFET input dual	.27 .03 .35 .38	.76 1.00 1.02	.50 .7! .60 3.63
23966 23018 193640 23026 106681 119992 276541	+ + + + + MAX	LF412CD ◆ LF412CN ◆ LF442CN ⊕ LF444CN ⊕ MAX492CPA ⊕	DIP-8 DIP-8 DIP-14 DIP-8 DIP-14	Low offset drift JFET input dual	.27 .03 .35 .38 .09	.76 1.00 1.02 4.05	.50 .7! .69 3.63
23966 23018 193640 23026 106681 119992 276541 143976	+ + + + + MAX	LF412CD	DIP-8 DIP-8 DIP-14 DIP-8 DIP-14	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35	.76 1.00 1.02 4.05 1.20	.50 .7! .69 3.63 .90 4.0
23966 23018 193640 23026 106681 119992 276541 143976 120926	+ + + + MAX + +	LF412CD ◆ LF412CN → LF442CN → LF444CN → MAX492CPA → LMC660CN → LM675T →	DIP-8 DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85	.76 1.00 1.02 4.05 1.20 4.05	.50 .7! .69 3.63 .90 4.00
23966 23018 193640 23026 106681 119992 276541 143976 120926 24491 24521	+ + + + + + + + + + + + + + + + + + +	LF412CD CLF412CN CLF442CN CLF444CN CLF444CN CLF444CN CLF4460CN CLF45T CL	DIP-8 DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14 TO-5/8	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85 .15	.76 1.00 1.02 4.05 1.20 4.05 .99 2.90	.56 3.65 .90 4.00 .86 2.66
23966 23018 193640 23026 106681 119992 276541 143976 120926 24491 24521 24539	* * * * MAX * * *	LF412CD ♣ LF442CN ♣ LF442CN ♣ LF444CN ♣ MAX492CPA ♣ LMC660CN ♣ LM675T ♣ LM733CN LM741CH ♣ LM741CN ♣ **	DIP-8 DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14 TO-5/8 DIP-8	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85 .15 .25	.76 1.00 1.02 4.05 1.20 4.05 .99 2.90	.50 .7! .6! 3.6: .9! 4.0: .8! 2.6: .1!
23966 23018 193640 23026 106681 119992 276541 143976 120926 24491 24521 24539	* * * * * MAX * * * * *	LF412CD ◆ LF412CN ⊕ * LF444CN ⊕ LF444CN ⊕ MAX492CPA ⊕ LMC660CN ⊕ LM675T ⊕ LM733CN LM741CH ⊕ LM741CN ⊕ ** LM747CN	DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14 TO-5/8 DIP-8 DIP-14	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85 .15 .25 .29	.76 1.00 1.02 4.05 1.20 4.05 .99 2.90 .25 3.85	.50 .7! .60 3.63 .90 4.00 .80 2.60 .10 3.30
23966 23018 193640 23026 106681 1119992 276541 143976 120926 24491 24521 24539 24563 311132	* * * * * * * * * * * * * * * * * * *	LF412CD ◆ LF412CN ⊕ * LF444CN ⊕ LF444CN ⊕ MAX492CPA ⊕ LMC660CN ⊕ LM675T ⊕ LM733CN LM741CH ⊕ LM741CN ⊕ ** LM747CN AD811AN ⊕	DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14 TO-5/8 DIP-8 DIP-14 DIP-8	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85 .15 .25 .29 .19	.76 1.00 1.02 4.05 1.20 4.05 .99 2.90 .25 3.85 6.65	.56 .75 .69 3.63 .90 4.07 .89 2.67 .19 3.39 6.34
23966 23018 193640 23026 106681 1119992 276541 143976 120926 24491 24521 24539 24563 311132	+ + + + + + + + ADI NSC	LF412CD	DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14 TO-5/8 DIP-8 DIP-14 DIP-8 DIP-18 DIP-8 DIP-14	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85 .15 .25 .29 .19	.76 1.00 1.02 4.05 1.20 4.05 .99 2.90 .25 3.85 6.65 1.12	.56 .75 .69 3.63 .90 4.01 .89 2.61 .19 3.39 6.34
23966 23018 193640 23026 106681 119992 276541 143976 120926 24491 24521 24539 24563 311132	+ + + + + + + + ADI NSC	LF412CD ◆ LF412CN ⊕ * LF444CN ⊕ LF444CN ⊕ MAX492CPA ⊕ LMC660CN ⊕ LM675T ⊕ LM733CN LM741CH ⊕ LM741CN ⊕ ** LM747CN AD811AN ⊕	DIP-8 DIP-14 DIP-8 DIP-14 TO-220/5 DIP-14 TO-5/8 DIP-8 DIP-14 DIP-8 DIP-14 DIP-8 DIP-14 DIP-8	Low offset drift JFET input dual	.27 .03 .35 .38 .09 .35 .85 .15 .25 .29 .19 .99	.76 1.00 1.02 4.05 1.20 4.05 .99 2.90 .25 3.85 6.65	.56 .75 .69 3.63 .90 4.07 .89 2.67 .19 3.39 6.34

Op Am	ps ((Continue	d)		Packa	ge (see	pg 31)
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
239177	+	LT1014DN⊕	DIP-14	Quad precision op amplifier	\$3.29	\$2.99	\$2.89
300193	LTC	LTC1050CN8	DIP-8	Precision zero-drift w/ int. cap	. 3.35	2.27	1.70
193682	+	LM1458M⊕	SOIC-8	Dual op amplifier	26	.22	.165
23131	+	LM1458N⊕*	DIP-8	Dual op amplifier	29	.26	.20
57007	+	LM2902N⊕	DIP-14	Low power quad op amplifier	25	.23	.22
12116	+	CA3080E	DIP-8	Op transconductance amp. (100135)	2.95	2.65	2.38
12183	+	CA3130E⊕	DIP-8	CMOS op amplifier	81	.72	.69
12204	+	CA3140E⊕	DIP-8	Bi-MOS op amplifier	51	.47	.42
212193	+	MC3403N⊕	DIP-14	Quad bipolar op amplifier	42	.357	.268
24168	+	LM3900N⊕	DIP-14	Quad amplifier		.65	.53
29356	+	RC4136N⊕	DIP-14	Quad op amp. (XR4136)	68	.63	.47
251125	+	MC4558CN⊕	DIP-8	Wide bandwidth dual bipolar op amp	27	.25	.23
252970	+	NE5532AP⊕	DIP-8	Dual lower noise op amplifier	50	.45	.39
27385	+	NE5532N⊕*	DIP-8	Dual low noise op amplifier	66	.50	.38
27406	+	NE5534 ⊕	DIP-8	Low noise op amplifier	78	.66	.54
302068	NSC	LM6142AIM€	SOIC-8	Dual r-r in/out, 17MHz	4.35	3.70	3.61
301903	NSC	LM6171BIN⊕	DIP-8	Hi speed, LP low distortion volt feedback	2.35	2.12	1.91
301874	NSC	LM6181IN€	DIP-8	100mA, 100MHz current feedback	. 2.19	1.69	1.54
301364	NSC	LMC6442IN⊕	DIP-8	Dual µpwr r-r output single supply	2.25	1.95	1.75
126893	NSC	LMC6482AIN⊕	DIP-8	CMOS dual r-r input/output, lower VOS	1.89	1.43	1.07
267223	NSC	LMC6482IN⊕	DIP-8	CMOS dual r-r I/O op amp	. 1.69	1.24	.92
301356	NSC	LMC6484AIN⊕	DIP-14	CMOS quad r-r I/O op amp., lower VOS	. 2.99	2.09	1.82
301794	NSC	LM7171AIN⊕	DIP-8	Hi speed hi output current volt feedback	. 2.39	2.15	1.98
312750	ADI	AD8052AR⊕	SOIC-8	Low-cost high speed r-r	2.55	2.17	1.63
312768	ADI	AD8052ARM⊕	µS0-8	Low-cost high speed r-r	3.35	2.54	1.91
192532	+	LM13700N€	DIP-16	Dual op transcon. w/ diodes/buffer	. 1.20	.88	.64
277704	+	MC33202P€	DIP-8	Low voltage r-r op amp	69	.59	.49
251117	+	MC34072D⊕	SOIC-8	Single supply 3V-44V op amp	42	.38	.285
251061	+	MC34072P€	DIP-8	Single supply 3V-44V op amp	91	.77	.58
◆ Jameco Va	lue 0	ffering *10	pcs. /**2	20 pcs. in Linear kit, pg 31			
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Linear	Se	ries			Packa	ge (see	pg 31)
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
25751	+	MF10CN⊕	DIP-20	General purpose dual active filter	\$3.35	\$3.03	\$2.76
16301	+	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)(TC426CPA)	5.19	4.67	4.19
239281	+	DG201BDJ⊕	DIP-16	Quad analog switch	1.34	1.25	.98
674291	VSH	DG201BDY	SOP-16	CMOS quad SPST analog switch	. 1.19	1.07	1.00
674304	VSH	DG201HSDY	SOP-16	CMOS quad SPST analog switch	. 3.05	2.75	2.46
239290	+	DG202BDJ⊕	DIP-16	Quad analog switch	1.99	1.90	1.81
239311	+	DG211BDJ⊕	DIP-16	Quad analog switch	1.29	1.25	1.20
674321	VSH	DG211BDY	SOP-16	CMOS quad SPST analog switch	. 1.33	1.20	1.06
239329	+	DG211CJ⊕	DIP-16	SPST quad channel analog switch	2.85	2.42	1.82
674339	VSH	DG212BDY	SOP-16	CMOS quad SPST analog switch	. 1.17	1.05	.97
697119	VSH	DG271BDY ♠	SOIC-16	Hi-spd quad mono (SPST) switch \dots	3.79	3.06	2.89
291055	+	LM285Z-1.2⊕	TO-92	1.2V voltage reference, 20mA	52	.43	.38
674347	VSH	DG303BDJ	DIP-14	Dual CMOS DPST analog switch	2.55	2.31	2.08
277052	+	MAX303CSE ₹	SOIC-16	Precision dual hi speed analog switch	10.55	8.24	7.51
23721	+	LM331N⊕	DIP-8	Prec volt to freq convrtr (150ppm/°C) \dots	2.19	1.69	1.30
674355	VSH	DG333ADW	SOP-20	Precision quad SPDT analog switch \dots	. 3.19	2.87	2.48
23739	+	LM334Z⊕	TO-92	Adjust current source	43	.40	.36
297676	+	LM336BZ-5.0 €	TO-92	5V voltage reference diode	1.32	.98	.81
193578	+	LM336M-2.5 €	SOIC-8	Precision 2.5V shunt regulator diode .	33	.30	.27
23771	+	LM336Z-2.5 ↔	TO-92	Voltage reference (2.5V)	30	.22	.17
120889	+	LM385BZ2.5 ↔	TO-92	Voltage reference diode (2.5V \pm 1.5%) .	39	.332	.249
24117	+	LM385Z1.2⊕	TO-92	Micropower volt ref diode (1.2V) \$.35	.31	.233
24109	+	LM385Z-2.5⊕	TO-92	Voltage reference diode (2.5V±3%)	41	.374	.281
◆ Jameco Va	alue O	ffering					

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

[📤] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Thousands of new ICs are in the pipeline for addition and not shown below.

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	mousands of new 103 are in the piperine for addition and not shown below. Oan as to see it you can save 10-20/0.													
TO-3	TO-5/TO-52	TO-92	TO-220	TO-252	TO-263	DD	DIP	SOIC & SOP	SOT-23	SOT-223	TSSOP	PLCC		
							MATTER	and and and		-				

	Manufacturer Cross Reference Table Jameco Value Offering ◆												
Manufacturer Code Manufacturer Code Manufacturer Code Manufacturer Code Manufacturer										Code			
	Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST			
	Anachip	ANA	Linear Technology	LTC	Microchip	MCH	ON Semi	ON	Texas Instruments	TI			

Anachip	CVIC		ANA	Linear Technology	LTC	Microck	nip	.1011		N Semi	Jerriicoi	luuctoi	ON T
Linear	Se	ries (Co	ntinue	d)	Pac	kage (see	above)	Linea	r Serie	S (Cor	ntinue	(t	
		0 5 6	D.		* Minir	mum order		Part No.	Mfr. Cros		Pkg.	Description	
Part No. 23000	Witr.	Cross Ref. LF398N⊕	Pkg. DIP-8	Description Sample and hold circuit	¢	1 10		34999		2211N⊕		FSK demod	
697127		DG403BDJ♠		Low-power, high-speed switch			1.43	280073		2426CLP⊕		Rail splitte	
309833	*	DG403DJ⊕		Dual SPDT (NO) & SPDT (NC) analog sv				34315		2803A⊕*		Hi-volt/cur	
697143				Low-power, high-speed analog swi				123625		!907N-8⊕ 2907N⊕		Frequency	_
256541	+	DG406DJ⊕		1 of 16 multiplexer/demultiplexer			2.96	23317 23350		2907N⊕ !917N-8⊕		Frequency Freq. to vo	
674363		DG406DN		Imprvd 16-ch/dual 8-ch CMOS analog				23341		917N-14 🕀		Freq. to vo	0
674371	VSH	DG406DW	SOP-28	Imprvd 16-ch/dual 8-ch CMOS analog				12079		3046N⊕		NPN transi	
272161	+	DG407DJ⊕	DIP-28	Dual 8-ch multiplexer/demultiplexer .	5.	.69 5.11	4.61	12159		8086N	DIP-14	Transistor	-
256532	+	DG408DJ⊕	DIP-16	1 of 8 multiplexer/demultiplexer	1.	.75 1.49	1.12	12247			DIP-16	Dual slope	,
279582	+	DG408DY⊕	SOIC-16	1 of 8 multiplexer/demultiplexer	1.	.30 1.23	1.10	31974		3524N ⊕		Regulating	
243643	+	DG411DJ⊕		Quad SPST (NC) analog switch .	1.	.99 1.79	1.33	25275	→ MC-	4044P	DIP-14	Frequency	
256516	+	DG412DJ⊕		Quad SPST (NO) analog switch .	1.	.49 .99	.96	29372	◆ RC4	151NB⊕	DIP-8	Volt to freq	uency conv
674398		DG413DJ	DIP-16	Imprvd quad SPST (2NO&2NC) analog				288163	ADI AD7	7501KN⊕	DIP-16	8-channel	analog mu
674401		DG417DY	SOP-8	Improved SPST NC analog switch				51140	→ 755	5IPA⊕	DIP-8	CMOS time	er (LM555
674419		DG418DJ	DIP-8	Improved SPST NO analog switch				51174	→ 766	ОСРА⊕	DIP-8	CMOS volt of	convrtr (+5
674427		DG418DY	SOP-8	Improved SPST NO analog switch				290301	◆ ICL76	660ACPA⊕	DIP-8	1.5V - 12V v	olt convert
279540	+	DG419DJ⊕		Dual SPST (NO), dual SPST (NC) analog s				316646		7662CPA		Volt conve	rter, 20Vin
33347	+	TL431CLP	TO-92	Program precision reference			\sim	51879		CCPD⊕⇔		Precision v	wave form
697151		DG441DY♠		Quad (SPST) CMOS analog switch				674478		9431DY		Low-volt. s	•
33355	♦ VCII	TL494CN⊕ DG540DN♠	DIP-16	Control circuit pulse-width-modula				25021		14411P		Bit rate free	. , ,
697178 697186		DG540DN♣	PLCC-20					25064		14490P⊕		Hex contac	
86799	V > ⊓	LM555CM	SOIC-16	Wideband/video "T" switch Timer (NE555D)				354597		14551N⊕		Quad 2-ch	
27422	+	LM555CN**	DIP-8	Timer (MC1455P/NE555V)				354626		14557⊕		1-64 bit va	
246676	+	LMC555CM		CMOS 555 timer				241832		145012 ⊕		Smoke det	
126797	+	LMC555CN*	DIP-8	CMOS 555 timer				118586	ON MC1 Value Offerir	145151P		Parallel inp pcs. in Line	
193658	+			Dual 555 timer				→ Jameco	value Ollerii	ig io	JCS./ 20	pcs. in Line	ear Kit, bei
24328	+	LM556N*	DIP-14	Dual 555 timer			\sim	40 Troop	INSTRUMEN	40	inoa	r Serie	20
27457	+	NE558N	DIP-16	Quad timer (NE558C)				- Indian	The state of the s		ilica	Jene	;3
27473	+	NE564N⊕	DIP-16	High frequency phase locked loop			1.05						
24352	+	LM565N⊕	DIP-14	Phased locked loop			.96	Part No.	Cross Ref		Pkg.	Description	
24379	+	LM566CN	DIP-8	Function generator (VCO)	12.	.95 12.31	11.69	700605				Hi-volt/cur	
24395	+	LM567CN⊕	DIP-8	Tone decoder		.45 .43	.31	700672	ULQ2003			Hi-volt/cur	
246650	+	LMC567CN€	DIP-8	Tone decoder	1.	.55 1.19	.89	700613	ULN2004			Hi-volt/cur	
27490	+	NE571N	DIP-16	Compander, subscriber	3.	.29 2.99	2.69	700621				Hi-volt/cur	
287700	+	AD580JH⊕		2.5V volt reference high precision	n 3.	.79 3.18	2.89	700630	ULN2004			Hi-volt/cur	
287785		AD581KH⊕		10V volt ref hi prec 10mV tolerance				700648 700656				Hi-volt/cur	
287814		AD584JH⊕		Prog voltage reference 30mV tol.			3.60	700656	ULN2803			Hi-volt/cur	
697194		DG613DY♠		Hi-spd, low-glitch D/CMOS analog sw.				700429				3-6V input, 6A	
115174		AD620AN⊕		Low-cost instrument amplifier				700427				3-6V input, 6A 3-6V input, 6A	
115182		AD633JN⊕		Low-cost analog multiplier				700437				3-6V input, 6A 3-6V input, 6A	
674435		DG641DY		Quad SPST low on-res. wideband/video				700453				3-6V input, 6A	
674451		DG642DY	SOP-8	SPDT low on-res. wideband/video				700100	11 00 10 10			o or input; or	routput syrior
674460		DG643DY		Dual SPDT low on-res, wideband/video			2.03	Linea	r and I	nterf	ace I	C Kit	CAVE
312186 312151	♦			Pos. 12V 30mA flash memory prog sup 5 5A/2A step-down PWM switch mode DC-DO									0, -
316515	IVIA∧	TC962CPA⊕		High current charge pump DC-DC co	•			10 each:				P, TL084CN	
239257	+	LT1004CZ-1.2		1.2V, micropower voltage referer								, LM337T, L	
118578	+	MC1495L	DIP-14	Linear four quadrant multiplier								N-3, LM393 6N, LM723	
23211	+	LM1496N⊕		Balanced mod/demodulator (MC149)								03AN, ULN2	
34278	*	ULN2003AN⊕*		Hi-volt/curr. darl. transistor array	,							7815T, 790	
193826	+			Hi-volt/curr. darl. transistor array				20 each:				LM741CN,	
34294	+			Hi-volt/curr. darl. trans. array (XR220				Part No.	Descr	iption			V
34972	+			Monolithic function generator				84988	480 p	cs. (40 t	ypes) an	alog IC kit	
→ Jameco Va	alue 0	ffering *10	pcs./**20	0 pcs. in Linear kit, right Blue P/I	N = Limi			130411	Refill	for 8498	8 (480 p	ocs.)	
		•		nt product		,							version
		r a NUII.	Compilal	it product S ava	mable III	Dour North	and non-R	10 10 VCI 310/13	. Add all R	before pa	TETIGITIDE	TOT KULIS V	roroiott. I

Linear	Se	ries (Cor	ntinue	d)	Packaç	ge (see	above)
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
34999	+	XR2211N⊕	DIP-14	FSK demodulator/tone decoder	\$1.79	\$1.59	\$1.39
280073	+	TLE2426CLP⊕	TO-92	Rail splitter precision virtual gro	ound 1.26	1.00	.90
34315	+	ULN2803A⊕*	DIP-18	Hi-volt/curr. darl. transistor arra	ay69	.59	.49
123625	+	LM2907N-8⊕	DIP-8	Frequency to voltage converter	1.31	1.15	1.01
23317	+	LM2907N⊕	DIP-14	Frequency to voltage converter	1.31	.93	.87
23350	+	LM2917N-8⊕	DIP-8	Freq. to voltage conv. w/ zener	1.85	1.57	1.18
23341	+	LM2917N-14⊕	DIP-14	Freq. to voltage conv. w/ zener	1.69	1.44	1.08
12079	+	CA3046N⊕	DIP-14	NPN transistor array (ULN2046)	.46	.41
12159	+	CA3086N	DIP-14	Transistor array NPN (ULN2086	o) 1.29	1.19	1.09
12247	+	CA3162E♣	DIP-16	Dual slope & rate analog/digital	conv. 8.95	8.05	7.25
31974	+	SG3524N⊕	DIP-16	Regulating pulse width modulat	or53	.50	.42
25275	+	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
29372	+	RC4151NB⊕	DIP-8	Volt to frequency converter (XR4	151) 1.59	1.35	1.01
288163	ADI	AD7501KN⊕	DIP-16	8-channel analog multiplexer \$	12. ¹⁵ 10.55	8.97	8.47
51140	+	7555IPA ⊕	DIP-8	CMOS timer (LM555CN)	33	.31	.29
51174	+	7660CPA⊕	DIP-8	CMOS volt convrtr (+5 to ±5V) (M6	60AN) 75	.68	.59
290301	+	ICL7660ACPA⊕	DIP-8	1.5V - 12V volt converter, 10kHz, si	upp 1.35	1.23	.92
316646	+	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V	out 2.95	2.75	2.49
51879	+	8038CCPD⊕ ©	DIP-14	Precision wave form generator	4.95	4.49	3.95
674478	+	DG9431DY	SOP-8	Low-volt. single SPDT analog sw	itch97	.94	.80
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	4.95	4.79	4.62
25064	ON	MC14490P⊕	DIP-16	Hex contact bounce eliminator.	6.25	5.63	5.03
354597	+	MC14551N⊕	DIP-16	Quad 2-ch analog multi/demultipl	exer 1.20	.97	.73
354626	+	MC14557⊕	DIP-16	1-64 bit variable length shift reg	gister73	.61	.45
241832	ON	MC145012⊕	DIP-16	Smoke detector, photoelectric t	ype 2.25	2.14	2.03
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesis	zer 6.15	5.20	4.10
◆ Jameco Val	alue 0	ffering *10	pcs./**2	0 pcs. in Linear kit, below OBlue	P/N = Limited	d Qty Ava	ilable
			•	w Cowing	For more T	I Linear	

Tixos	INSTRUMENTS	visit <u>www.Jameco.com</u>							
	* Minimum								
Part No.	Cross Ref.	Pkg.	Description	1	5	50			
700605	ULN2003ADR ≈ ♠	SOIC-16	Hi-volt/curr. darl. transis	tor array\$.62	\$.46	\$.34			
700672	ULQ2003AD ₹ ♠	SOIC-16	Hi-volt/curr. darl. transis	tor array69	.67	.65			
700613	ULN2004AD ≈ ♠	SOIC-16	Hi-volt/curr. darl. transis	tor array62	.46	.34			
700621	ULN2004ADR ₹ ♠	SOIC-16	Hi-volt/curr. darl. transis	tor array62	.46	.34			
700630	ULN2004AN ≈ ♠	DIP-16	Hi-volt/curr. darl. transis	tor array62	.46	.34			
700648	ULN2803ADW ≈ ♠	SOIC-18	Hi-volt/curr. darl. transis	tor array *	.475	.461			
700656	ULN2803ADWR◆	SOIC-18	Hi-volt/curr. darl. transis	tor array *	.339	.329			
700664	ULN2803AN ≈	DIP-18	Hi-volt/curr. darl. transis	tor array *	.437	.424			
700429	TPS54612PWP ₹ ♠	HTSSOP-28	3-6V input, 6A output synch buc	k PWM switcher 6.49	6.29	6.00			
700437	TPS54613PWP ₹ ♠	HTSSOP-28	3-6V input, 6A output synch bud	k PWM switcher 6.49	6.30	5.90			
700445	TPS54614PWP♠	HTSSOP-28	3-6V input, 6A output synch buc	k PWM switcher 6.49	6.30	5.90			
700453	TPS54616PWP ₹	HTSSOP-28	3-6V input, 6A output synch buc	k PWM switcher 6.49	6.30	5.90			

Linear and Interface IC Kit SAVE \$65

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915

LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805

- C-		=	100	188	
5CT		Ī	VV	1	
T, 78L0)5CZ,	7812T	84	1988	
i.)		1			10

Details on page 1.

Part No. Description 84988 480 pcs. (40 types) analog IC kit 6.0 \$182.95 \$164.65 130411 Refill for 84988 (480 pcs.) 1.3 **169.95** 145.95



Color Code Legend New Sale Lower\$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below.

Digita	DIP	1	1111		
Part No.	Cross Ref. Pkg	Description	1	10	100
241744	MCP41010-I/P⊕ DIP	8 10kΩ, 256 steps, SPI digital pot	\$1.59	\$1.49	\$1.39
241787	MCP41100-I/P⊕ DIP	8 100k Ω , 256 steps, SPI digital pot	1.55	1.47	1.40
241752	MCP42010-I/P⊕ DIP	14 $10k\Omega$, 256 steps, 2-ch, SPI digital pot	2.35	2.21	2.10

freescale Pressure Sensors



Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

To convert kPa to PSI: 1kPa = 0.1450377PSI

Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100		
320899	MPX10DP	_	344C	0 - 10	35mV	3 @ 6 \$1	0.95	\$10.40	\$10.18		
320987	MPX2010DP€) D	344C	0 - 10	25mV	10 @ 6 1	4.85	14.07	13.37		
321015	MPX2010GP€) G	344B	0 - 10	25mV	10 @ 6 1 3	3.39	13.28	13.17		
321293	MPX5050D	D	867	0 - 50	4.7V	5 @ 7 1 -	4.05	13.23	12.40		
* D = differential; G = gauge											

Ana	Chip Hal	I-Eff	ect Sensors SIP-3	=	-
Part No.	Cross Ref.	Pkg.	Description 1	10	100
319089	ATS137M⊕	SIP-3	Hall-effect switch 25mA, 20V max, ext. temp \$1.75	\$1.52	\$1.28
319100	AH182PL ₹	SIP-3	Hall-effect switch 25mA, low power83	.57	.44

Temperature Sensors Package (
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100			
107094	NSC	LM34CZ⊕	TO-92	Prec temp sensor (-40° to +230°F) \$	4.89	\$4.52	\$4.19			
193480	NSC	LM34DM⊕	SOIC-8	Prec temp sensor (-55° to 300°F)	1.85	1.57	1.18			
155192	NSC	LM34DZ⊕	TO-92	Prec temp sensor (+32° to +212°F)	1.99	1.67	1.23			
192217	NSC	LM35DT⊕	TO-220/3	Prec temp sensor (-55° to 150°C)	2.35	2.00	1.50			
107107	NSC	LM35CZ⊕	TO-92	Prec temp sensor (-40° to 110°C)	4.39	3.37	2.52			
155740	NSC	LM35DZ⊕	TO-92	Prec temp sensor (0° to +100°C)	1.79	1.35	1.25			
278387	ADI	TMP36GT9	TO-92	Low voltage temp sensor	1.00	.92	.82			
282028	+	LM135H⊕	TO-46	Precision temperature sensor	8.25	7.57	6.89			
120820	+	LM335AZ⊕	TO-92	Precision temperature sensor	81	.75	.71			
23755	+	LM335Z⊕	TO-92	Volt mode temperature sensor	67	.61	.44			
241939	+	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19			
313306	+	AD594AQ⊕	DIP-14	Thermocouple amp for iron-constantan 1.	2.99	11.69	10.53			
313293	+	AD595AQ⊕	DIP-14	Thermocouple amp for chromel-alumel 1	3.55	11.89	10.52			

NPN B	NPN Bipolar Transistors Package (see pg 33)												
	•							nimum (•				
Part No.	Product No.	Mfr.	Pkg.	Desc.	v_{ceo}	Min. (h _{FE} @ Ic)	1	10	100	1000			
26489	MPSA13⊕*	+	TO-92	NPN	30	5k @ .01A	. *	\$.059	\$.034	\$.028			
210593	MPSA14⊕	+	TO-92	NPN	30	20k @ .10A	. *	.083	.067	.038			
210681	MPSA18⊕	+	TO-92	NPN	45	500 @ .001A	. *	.083	.066	.049			
33021	TIP29A⊕	FSC	TO-220	NPN	60	15 @ 1A	.39	.34	.32	.257			
297781	TIP29C⊕	+	TO-220	NPN	100	40 @ .2A	.25	.225	.18	.138			
33048	TIP31A⊕*	+	TO-220	NPN	60	10 @ 3A	.49	.39	.35	.29			
179354	TIP31C⊕	FSC	TO-220	NPN	100	10 @ 3A	.49	.37	.30	.18			
33081	TIP41A⊕	+	TO-220	NPN	60	15 @ 3A	.59	.531	.425	.319			
179371	TIP41C⊕	FSC	TO-220	NPN	100	15 @ 3A	.29	.258	.206	.155			
178546	MPSA42⊕	+	TO-92	NPN	30	40 @ .03A	. *	.081	.075	.06			
120221	BPW77NA	+	TO-18	NPN	70	— 1	.99	1.89	1.55	1.21			
32977	TIP102⊕*	+	TO-220	NPN	100	1k @ 3A	.57	.49	.41	.245			
179240	TIP102⊕	FSC	TO-220	NPN	100	1k @ 3A	.38	.32	.30	.29			
288471	TIP110⊕	+	TO-220	NPN	60	1k @ 1A	.39	.36	.32	.27			

TIP120⊕* ◆ TO-220 NPN 60

*10 pcs. in Transistor cabinet kit, right

NPN	Ripol	ar Tran	sistors
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NPN Bi	ipolar Tı	ans	sistor	S				Pa	ackage	e (see p	og 33)
							*	Min	imum (order 10	pieces
Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE}		1	10	100	1000
26489	MPSA13⊕*	+	TO-92	NPN	30		.01A	* :	\$.059	\$.034	\$.028
210593	MPSA14⊕	+	TO-92	NPN	30		.10A		.083	.067	.038
210681	MPSA18⊕	+	TO-92	NPN	45	500 @	.001A	*	.083	.066	.049
33021	TIP29A⊕	FSC	TO-220	NPN	60		1A		.34	.32	.257
297781	TIP29C⊕	+	TO-220	NPN	100	40 @	.2A	25	.225	.18	.138
33048	TIP31A⊕*	+	TO-220	NPN	60		3A		.39	.35	.29
179354	TIP31C⊕	FSC	TO-220	NPN	100		3A		.37	.30	.18
33081	TIP41A⊕	+	TO-220	NPN	60	15 @	3A	59	.531	.425	.319
179371	TIP41C⊕	FSC	TO-220	NPN	100	15 @	3A	29	.258	.206	.155
178546	MPSA42⊕	+	TO-92	NPN	30	40 @	.03A	*	.081	.075	.06
120221	BPW77NA	+	TO-18	NPN	70	_	1.9	99 -	1.89	1.55	1.21
32977	TIP102⊕*	+	TO-220	NPN	100	1k @	3A	57	.49	.41	.245
179240	TIP102⊕	FSC	TO-220	NPN	100	1k @	3A	38	.32	.30	.29
288471	TIP110⊕	+	TO-220	NPN	60	1k @	1A	39	.36	.32	.27
32993	TIP120⊕*	+	TO-220	NPN	60	1k @	3A	49	.45	.39	.27
179291	TIP120⊕	FSC	TO-220	NPN	60	1k @	3A	54	.47	.40	(.30)
288585	TIP121⊕	+	TO-220	NPN	80	1k @	.5A \$.37	34	.306	.245	.184
120416	TIP122⊕	+	TO-220	NPN	100	1k @	3A	42	.37	.35	.26
179303	TIP122⊕	FSC	TO-220	NPN	100	1k @	3A	55	.42	.32	.195
254810	BC337⊕	+	TO-92	NPN	45	100 @	.10A	*	.061	.049	.037
211529	MJE340⊕	+	TO-225	NPN	300	30 @	.05A	27	.24	.21	.155
255994	BU406⊕	+	TO-220	NPN	200	_		56	.504	.403	.302
254801	BC547B⊕	+	TO-92	NPN	45	330 @	.002A	*	.075	.06	.045
254799	BC547C⊕	FSC	TO-92	NPN	45	600@	.002A	*	.08	.064	.048
309825	BD681⊕	+	TO-225	NPN	100	750 @	2A \$.49.	26	.234	.187	(.14)
211553	MJE800⊕	+	TO-225	NPN	60	750 @	1.5A:	29	.27	.24	.21
38228	2N2219A⊕	+	TO-39	NPN	40	100 @	.15A4	41	.37	.31	.28
26446	MPQ2222	+	DIP-14	NPN	40	100 @	.15A 2.	79 2	2.52	2.29	2.13
28628	PN2222⊕**	+	TO-92	NPN	30	100 @	.15A	*	.065	.041	.025
213938	MMBT2222A⊕	+	SOT-23	NPN	40	100 @	.15A	*	.04	.03	.022
213997	MMPQ2222A⊕	+	SOIC-16	NPN	40	100 @	.15A	94	.81	.72	.54
210673	MPS2222A⊕	+	TO-92	NPN	40	40 @	.50A	*	.057	.041	.034
178511	PN2222A⊕	+	TO-92	NPN	40	100 @	.15A	*	.13	.092	.051
38236	2N2222A⊕*	+	TO-18	NPN	40	100 @	.15A3	39	.35	.29	.25
38295	2N3053⊕*	+	TO-39	NPN	40	25 @	.15A4	47	.43	.344	.258
211385	TIP3055⊕	+	TO-218	NPN	60	5@	.001A 1.0	05	.94	.76	.57
38308	2N3055⊕*	+	TO-3	NPN	60	15 @	10Aº	95	.85	.72	.63
211406	2N3055A⊕	+	TO-3	NPN	60	20 @	4A 1.!	55 ′	1.49	1.13	.98
25857	MJE3055T⊕	+	TO-220	NPN	60	20 @	4A!	53	.49	.45	.39
194415	2N3439⊕	+	TO-39	NPN	350	40 @	.02A!	53	.50	.48	.36
209242	2N3771⊕	+	TO-3	NPN	40	15 @	15A 1. 0	69 ′	1.57	1.47	1.21
38324	2N3772⊕	+	TO-3	NPN	40	15 @	10A 2. 4	49 2	2.05	1.79	1.15
140151	2N3773⊕	+	TO-3	NPN	140	15 @	8A 2.4	45 2	2.32	2.26	1.69
94967	MMBT3904⊕		SOT-23	NPN	40	100 @	.01A	*	.042	.034	.025
38359	2N3904⊕**		TO-92	NPN	40		.01A		.069	.057	.035
178597	2N3904⊕	FSC	TO-92	NPN	40		.01A		.09	.06	.045
38421	2N4401⊕*	+	TO-92	NPN	40	100 @	.15A	*	.08	.06	.05
310666	2N5038⊕	+	TO-3	NPN	150		12A <mark>6.8</mark>		6.20		3.72
140373	2N5179⊕	+	TO-72	NPN	12	25 @	.003A!	59	.56	.512	.482
◆ Jameco Va	alue Offering	FSC =	Fairchild	Semic	onducto	or					

*10 pcs./**100 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), SAVE \$8 20 clear dividers (319611), pg 209 and 30 adhesive labels for drawers to identify parts in kit

2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1 \$	82.95	\$74.65
130374	Refill for 82595 (560 pcs.)	0.4	69.95	62.95

[📤] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



◆ Jameco Value Offering

◆ Jameco Value Offering

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%



ON Semiconductor*











Manufacturer Cross Reference Table Jameco Value Offering											
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code		
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST		
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI		

NPN E	NPN Bipolar Transistors (Continued)							Package (see above)			
Part No.	Product No.	Mfr.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1	10	100	1000	
254764	2N5886⊕	+	TO-3	NPN	80	20 @ 10A	\$2.29	\$2.06	\$1.65	\$1.24	
194589	2N6045⊕	+	TO-220	NPN	100	1k @ 3A	37	.34	.29	.28	
194600	2N6059⊕	+	TO-3	NPN	100	750 @ 6A	1.69	1.65	1.62	1.58	
255011	2N6292⊕	+	TO-220	NPN	70	30 @ 2A	57	.52	.44	.33	
255003	2N6427⊕	+	TO-92	NPN	40	10k @ .01A	30	.203	.103	.078	
194618	2N6547⊕	+	TO-3	NPN	400	12 @ 5A	3.15	2.84	2.66	2.42	
194626	2N6678⊕	+	TO-3	NPN	400	8 @ 15A	6.79	6.11	4.89 (3.67	
◆ Jameco	Value Offering	FSC	= Fairchild	l Semico	onduct	or					

PNP Ripolar Transistors

Dackage (coe above)

PINP E	NP BIPOIAT ITANSISTORS Package (see above)									
							* Mini	mum o	der 10	pieces
Part No.	Product No.	Mfr.	Pkg.	Desc.	v_{ceo}	Min. (h _{FE} @ lc)	1	10	100	1000
33030	TIP30A⊕	+	TO-220	PNP	60	15 @ 1A	\$.56	\$.33	\$.311	\$.233
33064	TIP32A⊕*	+	TO-220	PNP	60	10 @ 3A	37	.335	.285	.23
181841	TIP32C⊕	+	TO-220	PNP	100	10 @ 3A	27	.24	.22	.165
33101	TIP42A⊕	+	TO-220	PNP	60	15 @ 3A	42	.39	.36	.27
139580	TIP42C⊕	+	TO-220	PNP	100	15 @ 3A	39	.28	.25	.20
178554	MPSA92⊕	+	TO-92	PNP	300	25 @ .003A	*	.108	.076	.052
32985	TIP106⊕	+	TO-220	PNP	80	1k @ 3A	64	.58	.52	.442
179258	TIP107⊕	+	TO-220	PNP	100	1k @ 3A	49	.39	.353	.255
288526	TIP115⊕	+	TO-220	PNP	60	1k @ 1A	31	.302	.294	.218
33013	TIP125⊕	+	TO-220	PNP	60	1k @ 3A	49	.45	.29	.26
179320	TIP127⊕	FSC	TO-220	PNP	100	1k @ 3A	45	.40	.32	.24
211537	MJE350⊕	+	TO-225	PNP	300	30 @ .05A	41	.37	.33	.29
211545	MJE700⊕	+	TO-225	PNP	60	750 @ 1.5A	25	.22	.20	.17
194378	2N2905A⊕	+	TO-39	PNP	60	100 @ .15A	45	.43	.41	.31
26454	MPQ2907	+	DIP-14	PNP	40	100 @ .15A	2.19	1.85	1.35	.99
28644	PN2907⊕**	+	TO-92	PNP	40	100 @ .15A	*	.125	.09	.045
211342	MPS2907A⊕	+	TO-92	PNP	60	100 @ .15A	*	.057	.051	.04
178520	PN2907A⊕	+	TO-92	PNP	60	100 @ .15A	*	.098	.064	.058
38279	2N2907A⊕*	+	TO-18	PNP	60	100 @ .15A	32	.30	.28	.23
25831	MJE2955T⊕	+	TO-220	PNP	60	20 @ 4A	53	.375	.361	.272
38375	2N3906⊕**	+	TO-92	PNP	40	100 @ .01A	*	.05	.04	.03
178618	2N3906⊕	FSC	TO-92	PNP	40	100 @ .01A	*	.046	.042	.033
38447	2N4403⊕*	+	TO-92	PNP	40	100 @ .15A	*	.05	.049	.036
253438	2N5884⊕	+	TO-3	PNP	80	4 @ 25A	2.75	2.34	1.56	1.40
194571	2N6042⊕	+	TO-220	PNP	100	1k @ 3A	55	.495	.396	.372
194597	2N6052⊕	+	TO-3	PNP	100	750 @ 6A	1.75	1.69	1.64	1.47

[→] Jameco Value Offering FSC = Fairchild Semiconductor

Committed to You

We're committed to providing you with the best service in the industry.

J-FETs

						*	Minimum	order 10	pieces
Product No.	Mfr	. Pkg.	Desc.	BV _{GS} @ I _G (μΑ)	I _{DSS} (mA) @ V _{DS}	1	10	100	1000
MPF102⊕*	+	TO-92	N-Ch	-25 @ -10	2@15.	*	\$.155	\$.11	\$.08
2N5457	+	TO-92	N-Ch	-25 @ -10	1@15.	20	.18	.126	.102
2N5458⊕	+	TO-92	N-Ch	-25 @ -10	2 @ 15	29	.261	.209	.157
2N5484⊕	+	TO-92	N-Ch	-25 @ -1	1@15.	29	.26	.208	.156
2N5485⊕	+	TO-92	N-Ch	-25 @ -1	4@15.	*	.116	.104	.094
2N5486⊕	+	TO-92	N-Ch	-25 @ -1	8@15.	26	.23	.19	.14
2N5639⊕	+	TO-92	N-Ch	-30 @ -10	25 @ 20 .	21	.034	.031	.028
2N5951⊕*	+	TO-92	N-Ch	-30 @ -1	7 @ 15 .	69	.64	.44	.39
2N5460⊕	+	TO-92	P-Ch	40 @ 10	-1 @ -15	38	.339	.271	.203
2N5462⊕	+	TO-92	P-Ch	40 @ 10	-4 @ -15	*	.089	.081	.073
	MPF102⊕ * 2N5457 2N5458⊕ 2N5484⊕ 2N5485⊕ 2N5486⊕ 2N5639⊕ 2N5951⊕ * 2N5460⊕	MPF102⊕ * ◆ 2N5457	MPF102⊕*	MPF102⊕*	Product No. Mfr. Pkg. Desc. I_G(µA) MPF102⊕** + 10-92 N-Ch 25 @ -10 2N5457 + 10-92 N-Ch 25 @ -10 2N5488⊕ + 10-92 N-Ch 25 @ -1 2N5484⊕ + 10-92 N-Ch 25 @ -1 2N5486⊕ + 10-92 N-Ch 25 @ -1 2N5486⊕ + 10-92 N-Ch 25 @ -1 2N5639⊕ + 10-92 N-Ch 30 @ -1 2N5951⊕* + 10-92 N-Ch 30 @ -1 2N5460⊕ + 10-92 N-Ch 30 @ -1 2N5460⊕ + 10-92 N-Ch 30 @ -1 2N5460⊕ + 10-92 N-Ch 30 @ -1	Product No. Mfr. Pkg. Desc. I_GUA) $@V_{DS}$ MPF102⊕** → 10-92 N-Ch -25 @ -10 2 @ 15 2N5457 → 10-92 N-Ch -25 @ -10 1 @ 15 2N5484⊕ → 10-92 N-Ch -25 @ -1 1 @ 15 2N5485⊕ → 10-92 N-Ch -25 @ -1 1 @ 15 2N5486⊕ → 10-92 N-Ch -25 @ -1 4 @ 15 2N5639⊕ → 10-92 N-Ch -25 @ -1 8 @ 15 2N5951⊕* → 10-92 N-Ch -30 @ -1 25 @ 20 2N5951⊕* → 10-92 N-Ch -30 @ -1 7 @ 15 2N5460⊕ → 10-92 N-Ch -30 @ -1 7 @ 15 2N5460⊕ → 10-92 N-Ch -30 @ -1 7 @ 15	Product No. Mr. Pkg. Desc. BVg. Qi (µA) Dss. (mA) Qi Vps 1 MPF102⊕** ◆ T0-92 N-Ch -25 @ -10 2 @ 15 * 2N5457 ◆ T0-92 N-Ch -25 @ -10 1 @ 15 20 2N5458⊕ ◆ T0-92 N-Ch -25 @ -10 2 @ 15 29 2N5484⊕ ◆ T0-92 N-Ch -25 @ -1 1 @ 15 29 2N5486⊕ ◆ T0-92 N-Ch -25 @ -1 4 @ 15 * 2N5486⊕ ◆ T0-92 N-Ch -25 @ -1 4 @ 15 * 2N5486⊕ ◆ T0-92 N-Ch -25 @ -1 4 @ 15 * 2N5486⊕ ◆ T0-92 N-Ch -25 @ -1 8 @ 15 26 2N5639⊕ ◆ T0-92 N-Ch -30 @ -1 2 5 @ 20 21 2N5951⊕ ◆ T0-92 N-Ch -30 @ -1 7 @ 15 69 2N5460⊕	Product No. Mr/F. Pkg. Desc. BVGS (QHA) (QHA) Image (QHA) 1 <t< th=""><th>Product No. Mfr. Pkg. Desc. I_G(µA) € V_{DS} 1 10 100 MPF102⊕** → 10-92 N-Ch -25 ⊕ -10 2 ⊕ 15</th></t<>	Product No. Mfr. Pkg. Desc. I _G (µA) € V _{DS} 1 10 100 MPF102⊕** → 10-92 N-Ch -25 ⊕ -10 2 ⊕ 15

Heat Sinks

◆ Jameco Value Offering *10 pcs. in Transistor cabinet kit, pg 32

For more Aavid Thermallov Heat Sinks visit www.Jameco.com





Package (see above)

696722







raitivo.	FIOUUCI NO.	Type	SIZE (L X W X II) I	J	50	230
696600	507222B00000G ≈ ♠	Dual TO-220	1.47 x 1.75 x .375 \$.39	\$.381	\$.375	\$.37
696618	529802B02500 ◆	TO-220	1.50 x 1.65 x 1.00 1.26	1.17	1.14	1.13
696626	530002B02500 ◆	TO-220	2.52 x 1.65 x 1.00 1.45	1.33	1.31	1.29
696693	573300D000000♠	SMD	0.50 x 1.03 x 0.4063	.57	.45	.463
696706	576802B04000 ◆	TO-220/TO-262	0.75 x 0.57 x 0.50 53	.475	.461	.447
696714	577002B00000G ≈ ♠	TO-220	0.75 x 0.52 x 0.25 *	.242	.235	.228
696722	581002B02500G ₹ ♣	TO-220	1.00 x 0.64 x 0.64 1.19	1.07	1.04	1.02
696731	6025B-TT 	TO-220	1.25 x .875 x 0.25 1.79	1.62	1.29	1.27
696749	6025D ♠	TO-220	1.25 x .875 x 0.25 .95	.93	.90	.87
696765	7109DG ≈ ♠	SMD	.763 x 1.00 x 0.45 .92	.85	.84	.85

Heat Sink Mounting Kits

- TO-3 and TO-220 heat sink insulator assemblies
- · 10 kits per pack

Part No.	Туре	Description 1	10	100
34121	TO-220	5 pcs per kit ⊕ \$3.95	\$3.55	\$3.19
34139	TO-3	12 pcs per kit ⊕ 3.95	3.59	3.25



This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

^{*10} pcs. /**100 pcs. in Transistor cabinet kit, pg 32

320008	577500B000000	10-126	_	\$.33	\$.291	\$.21	\$.243
326633	577304B00000⊕	TO-202	0.52 x 0.38 x 0.75	29	.261	.209	.196
326684	566010B03400⊕	TO-218	1.00 x 0.51 x 1.22	99	.89	.76	.68
326756	529801B02500⊕	TO-218	1.64 x 0.98 x 1.51	1.02	.98	.83	.71
326772	530101B00150⊕	TO-218	1.75 x 0.49x 1.75	1.11	1.09	.94	.79
320320	BK-ALU-0034-001⊕	TO-220	1.80 x 1.50 x 0.40	30	.285	.279	.209
326596	507302B00000⊕	TO-220	0.75 x 0.38 x 0.74	25	.23	.20	.18
326609	577002B00000 ₹	TO-220	0.51 x 0.25 x 0.75	30	.23	.215	.20
326617	577102B00000 ₹ €	TO-220	0.52 x 0.37 x 0.75	33	.293	.264	.238
326625	577202B00000⊕	TO-220	0.51 x 0.49 x 0.75	27	.23	.215	.20
326641	577002B04000⊕	TO-220	0.53 x 0.50 x 0.76	30	.27	.241	.235
326650	577102B04000⊕	TO-220	0.52 x 0.38 x 0.75	30	.27	.253	.235
326676	593002B03400⊕	TO-220	_	52	.482	.416	.31
326693	531002B05200 ₹	TO-220	1.38 x 0.50 x 1.00	84	.75	.65	.495
326713	531102B02500⊕	TO-220	1.38 x 0.50 x 1.51	86	.80	.68	.58
326748	531202B02500 ⊕	TO-220	1.37 x 0.49 x 2.00	95	.86	.68	.531
326764	531302B02500 ⊕	TO-220	1.38 x 0.50 x 2.50	92	.90	.77	.65
	Othei	r Manut	facturers — Great	Deals			

7777		100		
16512	151547	189835	70914	129242
0.200° tabs (3) — 42622/228005	40504	158051	70658	107007
Part No. Cross Pof No.	40304 Typo	1 C00C1		107297 10 100 1000

Part No.	Cross Ref. No.	Туре	Size (L" x W" x H")	1	10	100	1000
16512	DUDE4⊕	TO-3	4.80 x 1.50 x 1.30	\$2.95	\$2.75	\$2.49	\$2.25
151547	635-125B2 ₹	TO-3	1.90 x 1.40 x 1.30	. 1.05	.92	.78	.70
189835	635-5B2 ⊕	TO-3	1.90 x 1.40 x 0.50	87	.78	.63	.55
70914	THM6106⊕	TO-220	1.20 x 1.00 x 0.50	35	.30	.28	.26
129242	THM6106⊕	TO-220	1.20 x 1.00 x 0.50	49	.45	.39	.35
42622	563002B00000⊕	TO-220	1.20 x 1.00 x 0.50	35	.291	.281	.271
228005	BK-T220 ⊕	TO-220	1.20 x 1.00 x 0.50	35	.30	.23	.19
40504	291-H-36AB⊕	TO-220	0.90 x 1.00 x 0.40	74	.534	.459	.402
158051	577102B00000 ₹	TO-220	0.75 x 0.52 x 0.38	39	.35	.28	.21
70658	THM6073⊕	TO-220	0.80 x 0.70 x 0.40	29	.269	.26	.25
107297	PSC2-U (cup-style)€	TO-220	0.80 x 1.00 x 0.40	49	.44	.35	.26

N-Channal	& P-Channel	MOSFFTs
- N-Chaillei	& P-Challier	INIOPLE 12

Package (see pg 35)

							Minimum	order 1	0 pieces
Part No.	Product No.	Mfr.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	10	100	1000
669821	IRFD014	+	DIP-4	N-Ch	60	1.7A \$.3 5	\$.33	\$.31	\$.28
669839	IRFL014	+	SOT-223	N-Ch	60	2.7A49	.41	.37	.31
669847	IRLD014	+	DIP-4	N-Ch	60	1.7A4!	.36	.33	.29
669855	IRLL014N	+	SOT-223	N-Ch	55	2.8A55		.33	.29
669863	IRFBG20	+	TO-220AB	N-Ch	1000	1.4A 1.1 7	.94	.84	.70
669871	IRFZ24N	+	TO-220AB	N-Ch	55	17A54		.39	.33
669880	IRLR024N	+	TO-252AA	N-Ch	55	17A5!		.47	.43
669898	IRLU024N	+	TO-251AA	N-Ch	55	17A65		.47	.38
669901	IRLZ24N	+	TO-220AB	N-Ch	55	18A53		.37	.32
669919	IRFBE30	+	TO-220AB TO-220AB	N-Ch	800 1000	4.1A <mark>1.10</mark> 3.1A 1.3 5		.81	.77
669927 669935	IRFBG30 IRFZ34N	+ +	TO-220AB	N-Ch N-Ch	55	26A 49		.96 .35	.80 .29
669943	IRLZ34N	+	TO-220AB	N-Ch	55	30A57		.50	.46
669951	IRFZ44N	+	TO-220AB	N-Ch	55	49A 6 5		.46	.39
669960	IRFZ44NS	+	D2-Pack	N-Ch	55	49A 1.05		.58	.55
669978	IRFZ46N	+	TO-220AB	N-Ch	55	53A82		.73	.59
669986	IRFZ48N	+	TO-220AB	N-Ch	55	64A82		.59	.49
669994	IRFD110	+	DIP-4	N-Ch	100	1.0A47	.42	.35	.29
670004	IRFL110	+	SOT-223	N-Ch	100	1.5A45	.36	.32	.27
670012	IRFD120	+	DIP-4	N-Ch	100	1.3A66	.58	.52	.43
670021	IRFR120N	+	TO-252AA	N-Ch	100	9.4A .4 !	.42	.39	.32
670039	IRLD120	+	DIP-4	N-Ch	100	1.3A45		.38	.35
670047	IRLR120N	+	TO-252AA	N-Ch	100	10A69		.51	.45
256014	BSS138⊕ €		SOT-23	N-Ch	50	0.2A ≯		.042	
670055	IRFP150N	+	TO-247	N-Ch	100	42A 1.35		.79	.72
256031	BS170⊕	+	TO-92	N-Ch	60	— *		.07	.06
670063	IRFL210	+	SOT-223	N-Ch	200	0.96A 3 9		.32	.30
670071 670080	IRFR220N IRFP250	+ +	TO-252AA TO-247	N-Ch N-Ch	200 200	30A 1.49		.49 1.25	.45 .99
670098	IRFP250N	+	TO-247	N-Ch	200	30A 2.6 9		1.89	1.65
670101	IRFP260N	+	TO-247	N-Ch	200	50A 2.69		1.95	1.65
670119	IRFR320	+	TO-252AA	N-Ch	400	3.1A5!		.43	.41
670127	IRFR420	+	TO-252AA	N-Ch	500	2.4A69		.43	.40
670135	IRFP450	+	TO-247	N-Ch	500	14A 2.05	1.65	1.49	1.25
670143	IRFP460	+	TO-247	N-Ch	500	20A 2.5 9	2.39	2.29	2.09
209234	IRF510⊕	+	TO-220	N-Ch	100	5.6A .6 9	.59	.55	.49
209226	IRF520⊕	+	TO-220	N-Ch	100	10A56	.48	.45	.40
209058	IRL520N⊕		TO-220	N-Ch	100	10A56		.46	.39
210500	IRF530⊕	+	TO-220	N-Ch	100	14A66		.52	.49
670151	IRF530N	+	TO-220AB	N-Ch	100	17A59		.37	.31
670160	IRL530N	+ +	TO-220AB TO-220	N-Ch	100	27A 7 8		.416 .57	.386
210518 670178	IRF540⊕ IRF540NS	+	D2-Pack	N-Ch N-Ch	100 100	33A 1.0 5		.68	.64
670186	IRFI540N	+	TO-220	N-Ch	100	20A 1.05		.72	.61
670194	IRL540N	+	TO-220AB	N-Ch	100	30A89		.78	.72
670207	IRF610	+	TO-220AB	N-Ch	200	3.3A49		.35	.29
210526	IRF620⊕	+	TO-220	N-Ch	200	6.0A4!		.35	.32
670215	IRF624	+	TO-220AB	N-Ch	250	4.4A65		.45	.37
210534	IRF630⊕	+	TO-220	N-Ch	200	9.0A .7 !		.58	.43
210542	IRF640⊕	+	TO-220	N-Ch	200	18A .6 9	.65	.57	.49
670223	IRF640NS	+	D2-Pack	N-Ch	200	18A 1.1 9	.99	.88	.69
670231	IRF644	+	TO-220AB	N-Ch	250	14A82	.73	.61	.54
670240	IRF720	+	TO-220AB	N-Ch	400	3.3A56		.41	.34
210551	IRF730⊕	+	TO-220	N-Ch	400	5.5A64		.58	(.43)
210569	IRF740⊕	+	TO-220	N-Ch	400	10A 1.25		.89	.80
210577	IRF820⊕	+	TO-220	N-Ch	500	4.0A48		.43	.32
210585	IRF830⊕	+	TO-220	N-Ch	500	4.5A <mark>65</mark>		.59	(.44)
184719 670258	IRF840⊕ IRF1010E	+ +	TO-220 TO-220AB	N-Ch N-Ch	500 60	8.0A 1.2 8 84A 1.5 5		.88 1.26	.50
	IRF1010E	+	TO-220AB	N-Ch	55	85A 1.19		1.26	1.15 .99
			TO-262	N-Ch	55	85A 3.19		1.09	1.75
670266 693695	IRF1010NII				JJ	JUN 1 U. 1		,0	, 0
693695	IRF1010NL IRF1310N				100	42A 1 29	1.03	.93	.78
	IRF1010NL IRF1310N IRF1405	+ +	TO-220AB TO-220AB	N-Ch N-Ch	100 55	42A 1.2 9		.93 2.39	.78 1.85

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





Manufacturer Cross Reference Table Jameco Value Offering ◆											
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code		
Analog Devices	ADI	Linear Technology	LTC	Microchip	MCH	ON Semi	ON	Texas Instruments	TI		
Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST	Vishay	VSH		

Analog D	evices	ADI	Lir	near T	echnol	ogy	LT	TC Mi	crochi	p
Fairchild	Semiconductor	FSC	Ma	axim (Corpora	ation	MA	AX Na	tional	Semico
NI OL		VI		840	^FF	F				
N-Char	nel & P-C	hann	eı	MO	SFE	I S (Cont.)) F	Package	(see a	bove)
							* M	linimum	order 10) pieces
		B1			D1/	Min. On-St.		40	400	
Part No.	Product No. Mfr.	Pkg.		Desc.	BV _{DS}	DS Current	1	10	100	1000
670291	IRL2203N →	TO-220A	ΑB	N-Ch	30	116A \$1			\$1.29	
279460	VN2222LL⊕ →	TO-92		N-Ch	60	.75A		.20	.16	.14
670303	IRLML2402 ◆	SOT-23		N-Ch	20	1.2A		.17	.15	.13
279478	VN2406L⊕ ◆	TO-92		N-Ch	240	1.0A		.44	.34	.21
670311	IRLL2705 ◆	SOT-223	3	N-Ch	55	5.2A 1		1.03	.89	.83
670320	IRLML2803 ◆	SOT-23		N-Ch	30	1.2A		.15	.14	.13
670338	IRF2807 ◆	T0-220A		N-Ch	75	82A 1		1.75	1.55	1.43
670346	IRL2910 ◆	TO-220A	AB	N-Ch	100	55A1		1.79	1.63	1.43
618089	IRF3205⊕ ◆	TO-220		N-Ch	55	110A 2		1.75	1.45	1.26
670354	IRF3415 ◆	TO-220A	AB	N-Ch	150	43A 1		1.15	1.05	.89
618071	IRL3705⊕ ◆	TO-220		N-Ch	55	89A 1		1.13	.90	.84
670362	IRF3710 ◆	TO-220A		N-Ch	100	57A 1		1.05	.93	.85
670371	IRFPS37N50A ◆	Super-2		N-Ch	500	36A 6		6.19	5.15	4.75
670389	IRFL4310 ◆	SOT-223	5	N-Ch	100	2.2A 1		1.05	.77	.72
255038	SI4420DY ⊕ ◆	SOIC-8		N-Ch	30	30A 1		1.88		(1.21)
670725	IRF7201 ◆	SOIC-8		N-Ch	30	10A		.58	.49	.41
670397	IRF7401 ◆	SOIC-8		N-Ch	20	10A		.515	.487	
670400	IRF7413 ◆	SOIC-8		N-Ch	30	12A 1		.79	.59	.52
670418	IRF7455 ♦	SOIC-8		N-Ch	30	15A		.86	.72	.67
670426	IRF7811A ◆	SOIC-8		N-Ch	28	11A		.77	.64	.59
670434	IRFD9120 ◆	DIP-4		N-Ch N-Ch	100	1.4A 0.2A		.58	.57	.54
178669	2N7000 ⊕ *FSC 2N7000 ⊕ ◆	TO-92			60			.13	.10	.095
119423 140169	2N7000 ⊕ →	TO-92 SOT-23		N-Ch N-Ch	60 60	0.3A 0.5A		.11	.10	.09
256057	BS250⊕ →	TO-92		P-Ch	-45	—		.34	.30	.20
255046	SI4435DY ⊕ ◆	SOIC-8		P-Ch	-30	-40A		.496	.45	.388
255054	SI4463DY ⊕ ◆	SOIC-8		P-Ch	-20	-30A 1		1.58	1.44	1.31
670442	IRF4905 ◆	TO-220A	λR	P-Ch	-55	-74A 1		1.63	1.53	1.31
670451	IRF4905S ◆	D2-Pack		P-Ch	-55	-74A 2		1.65	1.39	1.19
670469	IRLML5103 ◆	SOT-23		P-Ch	-30	-0.76A		.16	.15	.14
670477	IRF5210 ◆	TO-220A	λB	P-Ch	-100	-40A 1		1.14	1.10	1.07
670485	IRF5305 ◆	TO-220A		P-Ch	-55	-31A 1		1.01	.82	.69
670493	IRFR5305 ◆	TO-252A	λA	P-Ch	-55	-31A	.79	.74	.70	.59
670506	IRFR5410 ◆	TO-252A	λA	P-Ch	-100	-13A	.59	.50	.45	.37
670514	IRLML6302 ◆	SOT-23		P-Ch	-20	-0.78A	.22	.17	.15	.13
670522	IRLML6401 ◆	SOT-23		P-Ch	-12	-12A	.26	.21	.19	.16
670531	IRF7404 ◆	SOIC-8		P-Ch	-20	-7.7A	.55	.49	.41	.38
670549	IRF7416 ◆	SOIC-8		P-Ch	-30	-10A 1	.05	.73	.60	.57
670557	IRFL9014 ◆	SOT-223	3	P-Ch	-60	-19A	.79	.51	.39	.33
670565	IRFR9024 ◆	TO-252A	λA	P-Ch	-60	-8.8A	.72	.63	.57	.47
670573	IRFR9024N ◆	TO-252A	λA	P-Ch	-55	-11A	.63	.51	.45	.38
670581	IRF9Z34N ◆	TO-220A	ΑB	P-Ch	-55	-1.8A	.70	.66	.62	.52
670590	IRFR9120 ◆	TO-252		P-Ch	-100	-5.6A		.59	.52	.43
670602	IRFR9120N ◆	TO-252A		P-Ch	-100	-6.6A		.43	.36	.33
670611	IRFR9220 ◆	TO-252A		P-Ch	-200	-3.6A1		1.09	.90	.86
670629	IRF9520 ◆	TO-220A		P-Ch	-100	6A		.92	.86	.77
670741	IRF9530 ◆	TO-220A		P-Ch	-100	-12A		.55	.49	.41
670637	IRF9530N ◆	TO-220A		P-Ch	-100	-14A		.62	.55	.46
670645	IRF9540N ◆	TO-220A		P-Ch	-100	-23A 1		.85	.76	.63
670653	IRF9640 ◆	TO-220A	ΑĎ	P-Ch	-200	-11A 1		.94	.85	.70
670661 670670	IRF7103 ♦ IRF7303 ♦	SOIC-8			I-Ch 50 I-Ch 30	3A		.39	.32	.29
670670 670696	IRF7303	SOIC-8			I-Ch 30	6.5A		.66 .77	.47	.45 .59
♦ Jameco Va		SUIC-8 C = Fairchi	ld S			0.5A	.03	.11	.64	.39
, Junicoo Va	oncomy 13	an oll	.u J	CITICOII						

N-Channel & P-Channel MOSFETs (Cont.) Package (see above)										
		DI.			Min. On-St.		40	400	4000	
Part No.	Product No. Mfr.	Pkg.	Desc.	BVDS	DS Current	1	10	100	1000	
670688	IRF7306 ◆	SOIC-8	Dual P-Ch	-30	-4A \$.75	\$.60	\$.42	\$.40	
670709	IRF7314 ◆	SOIC-8	Dual P-Ch	-20	-5.3A	.82	.58	.48	.45	
670733	IRF7105 ◆	SOIC-8	Dual N/P Ch 2	25/-25	3.5/-2.3A	.35	.32	.30	.28	
670717	IRF7309 ◆	SOIC-8	Dual N/P Ch 3	30/-30	4.7/-3.5A	.73	.65	.46	.43	
→ Jameco V	alue Offering									

v Juine	co value offering								
-	N-Channel	& P-	Chann	el M	OSFETs	-	Package	e (see a	bove)
					Min. On-St.				
Part No.	Product No.	Pkg.	Desc.	BV_{DS}	DS Current	1	10	100	1000
699894	SI4442DY♠	SOIC-8	N-Ch	30	30A \$1	.99	\$1.89	\$1.77	\$1.59
699907	SI4450DY♠	SOIC-8	N-Ch	60	20A 1	.85	1.74	1.65	1.49
699915	SI4466DY♠	SOIC-8	N-Ch	20	30A 1	.99	1.81	1.67	1.55
699940	SI4850EY♠	SOIC-8	N-Ch	60	40A 1	.39	1.33	1.21	1.11
699958	SI4874DY♠	SOIC-8	N-Ch	30	40A	.95	.93	.90	.87
699878	SI4431ADY♠	SOIC-8	P-Ch	-30	-7A 1	.23	1.17	1.07	.97
814400	SI4431BDY ₹ ♠	SOIC-8	P-Ch	-30	-7A	.67	.59	.53	.51
699886	SI4431DY	SOIC-8	P-Ch	-30	-7A	.67	.66	.64	.62
699923	SI4532DY	SOIC-8	N & P-Ch	30/-30	15/-15A	.56	.54	.52	.49
700091	SUB75P03-07♠	TO-263	P-Ch	-30	-120A 4	.89	3.97	3.74	3.59
700040	SI9407AEY♠	SOIC-8	P-Ch	-60	-20A 1	.29	1.23	1.13	1.05
700058	SI9435BDY♠	SOIC-8	P-Ch	-30	-20A	.55	.473	.457	.43
699966	SI4920DY ♠	SOIC-8	Dual N-Ch	30	20A 1	.59	1.48	1.39	1.35
699974	SI4922DY♠	SOIC-8	Dual N-Ch	30	30A 1	.99	1.87	1.83	1.73
700015	SI4946EY♠	SOIC-8	Dual N-Ch	60	20A 1	.99	1.88	1.73	1.59
700031	SI4966DY ♠	SOIC-8	Dual N-Ch	20	20A 1	.89	1.78	1.68	1.53
699931	SI4539DY	SOIC-8	Dual N/P Ch	30/-30	20/-20	.79	.77	.75	.72
700066	SI9936BDY-E3♠	SOIC-8	Dual N-Ch	30	40A	.99	.94	.86	.79
700074	SI9945AEY♠	SOIC-8	Dual N-Ch	60	20A 1	.38	1.29	1.23	1.13
699982	SI4925DY♠	SOIC-8	Dual P-Ch	-30	-20A 1	.85	1.77	1.59	1.49
700007	SI4943DY♠	SOIC-8	Dual P-Ch	-20	-30A 1	.99	1.88	1.73	1.69
700023	SI4948FY♠	SOIC-8	Dual P-Ch	-60	-20A 1	.69	1.58	1.53	1.45

Zener	Diodes						Packag	e (see	above)
							Minimum	order 1	0 pieces
Part No.	Product No.	Mfr.	Pkg.	V_{Znom}	Pwr Dissipation	10	100	500	1000
36290	1N751A⊕*	+	DO-35	5.1V	0.5W	\$.034	\$.031	\$.025	\$.019
178765	1N4730A⊕	+	DO-41	3.9V	1W	05	.035	.025	.022
178773	1N4732A⊕	VSH	DO-41	4.7V	1W	88	.069	.056	.044
36097	1N4733A⊕*	+	DO-41	5.1V	1W	8	.065	.042	.026
36118	1N4734A⊕	+	DO-41	5.6V	1W	073	.055	.05	.045
178802	1N4735A⊕	VSH	DO-41	6.2V	1W	049	.044	.04	.036
36126	1N4735A⊕*	+	DO-41	6.2V	1W	07	.045	.041	.035
178837	1N4739A⊕	+	DO-41	9.1V	1W	057	.038	.032	.029
36169	1N4742A⊕*	+	DO-41	12V	1W	06	.05	.04	.03
36185	1N4744A⊕	+	DO-41	15V	1W	058	.035	.026	.021
179039	1N5230B	+	DO-35	4.7V	0.5W	03	.026	.021	.016
179047	1N5231B⊕	+	DO-35	5.1V	0.5W	04	.035	.03	.027
179063	1N5234B	+	DO-35	6.2V	0.5W	029	.026	.025	.024
◆ Jameco	Value Offering	VSH	= Vishav	*10 pcs	. in Diode/Rectific	er cabin	et kit. pa	36	

Replacement Semiconductors

When you need a replacement semiconductor, look towards the products from NTE.

See Our Complete NTE Series Offering at www.Jameco.com/Prod/NTE

🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Package (see pg 35)

Small	Small Signal Diodes Package (see pg 35)										
					• Minimur	n order 10) pieces				
Part No.	Product No.	Mfr.	Pkg.	Description 10	100	500	1000				
655728	BAV20	+	DO-35	200VRRM, 0.2A \$.029	\$.017	\$.014	\$.013				
655859	BAV21	+	DO-35	250VRRM, 0.2A	.017	.014	.013				
655963	BAY71	+	DO-35	50VRRM, 0.3A	.017	.014	.013				
655605	BAY72	+	DO-35	125VRRM, 0.2A	.017	.014	.013				
655613	BAY73	+	DO-35	125VRRM, 0.5A	.017	.014	.013				
656173	BAW74	+	SOT-23	50VRRM, 0.2A	.025	.023	.02				
655939	1N456A	+	DO-35	30VRRM, 0.5A	.017	.014	.011				
655998	FDLL457A	+	LL-34	70VRRM, 0.2A	.023	.02	.019				
655971	1N457	+	DO-35	70VRRM, 0.2A	.017	.014	.012				
655980	1N457A	+	DO-35	70VRRM, 0.2A	.017	.014	.012				
655630	1N458A	+	DO-35	150VRRM, 0.5A	.017	.014	.012				
655779	1N459	+	DO-35	200VRRM, 0.5A	.017	.014	.012				
655787	1N459A	+	DO-35	200VRRM, 0.5A	.017	.014	.012				
655841	1N486B	+	DO-35	250VRRM, 0.2A	.017	.014	.013				
655331	FDLL914	+	LL-34	100VRRM, 0.2A	.017	.014	.013				
179207		VSH	DO-35	100PRV .05	.025	.016	.014				
36311	1N914⊕**	+	DO-35	75PRV, 0.01A 022	.018	.014	.01				
655269	1N914A	+	DO-35	100VRRM, 0.2A	.015	.013	.009				
655277	1N914B	+	DO-35	100VRRM, 0.2A	.017	.014	.012				
655285	1N916	+	DO-35	100VRRM, 0.2A	.015	.013	.009				
655293	1N916A	+	DO-35	100VRRM, 0.2A	.019	.017	.014				
655306	1N916B	+	DO-35	100VRRM, 0.2A	.015	.013	.009				
656106	MMBD1205	+	SOT-23	100VRRM, 0.2A	.025	.023	.02				
656270	MMBD2838		SOT-23	75VRRM, 0.2A	.025	.023	.019				
656018	1N3064	+	DO-35	75VRRM, 0.3A	.017	.014	.013				
655761	1N3070	+	DO-35	200VRRM, 0.5A	.017	.014	.013				
655314	FDLL4148	+	LL-34	100VRRM, 0.2A	.017	.014	.011				
656202	MMBD4148C0		SOT-23	100VRRM, 0.2A	.025	.023	.019				
656296	MMBD4148SI		SOT-23	100VRRM, 0.2A	.025	.023	.019				
655411	MMSD4148		SOD-123	100VRRM, 0.6A	.037	.03	.023				
655390	1N4149	+	DO-35	100VRRM, 0.3A	.013	.009	.008				
655955	1N4152	+	DO-35	40VRRM, 0.2A	.017	.014	.011				
656026	1N4305	+	DO-35	75VRRM, 0.3A	.013	.008	.007				
655322	FDLL4448	+	LL-34	100VRRM, 0.2A	.017	.014	.013				
655242	1N4448	+	DO-35	100VRRM, 0.2A	.013	.008	.007				
655795	1N4938		DO-35	200VRRM, 0.5A	.017	.014	.013				
→ Jameco \	/alue Offering		IUU pcs. In D	iode/Rectifier cabinet kit, right							

7 54111666	raido onornig		. 00 pos	Diodortion oddinor kity right			
Diode	s				Packa	ge (see	pg 35)
				*1	Minimum	order 1	0 pieces
Part No.	Product No.	Mfr.	Pkg.	Description 1	10	100	1000
140185	BAS16⊕	+	SOT-23	70PRV, 1A (Switching)*	\$.041	\$.033	\$.025
655576	BAS19	+	SOT-23	120VRM, 0.2A (Switching) *	.041	.025	.022
655592	BAV19	+	DO-35	120BV, 0.2A (General purpose) *	.033	.017	.014
655875	BAS21	+	SOT-23	250BV, 0.6A (General purpose) *	.054	.025	.023
656350	BAV23S	+	SOT-23	250VRRM, 0.2A (General purpose) *	.075	.033	.029
656317	BAS31	+	SOT-23	120BV, 0.2A (General purpose) *	.057	.025	.023
656034	BAW62	+	DO-35	75VRRM, 0.3A (Switching) *	.033	.017	.014
656253	BAV74	+	SOT-23	50BV, 0.2A (Ultrafast) *	.059	.025	.023
655808	BAV102	+	LL-34	200BV, 0.5A (General purpose) *	.057	.025	.023
655867	BAV103	+	LL-34	250BV, 0.5A (General purpose) *	.057	.025	.023
35941	1N270⊕*	+	DO-7	80PRV (Germanium)99	.86	.74	.61
655648	FDH300	+	DO-35	150BV, 0.5A (Low leakage) *	.041	.025	.023
655664	FDH333	+	DO-35	150BV, 0.5A (Low leakage) *	.041	.025	.023
655816	FDH400	+	DO-35	200BV, 0.5A (General purpose) *	.041	.025	.023
656069	FDH600	+	DO-35	75BV, 0.4A (Ultrafast) *	.033	.017	.016
655904	FDH700	+	DO-35	30BV, 0.15A (Ultrafast) *	.041	.025	.023
312101	MBR1100 ⊕	+	DO-41	100PRV, 1.0A (Schottky)26	.234	.187	.14
655365	MMBD1201	+	SOT-23	100BV, 0.2A (Ultrafast) *	.049	.025	.022
656288	MMBD1203	+	SOT-23	100BV, 0.2A (Ultrafast) *	.039	.025	.023
656190	MMBD1204	+	SOT-23	100BV, 0.2A (Ultrafast) *	.039	.025	.023
656325	MMBD1403	+	SOT-23	200BV, 0.2A (General purpose) *	.049	.025	.023
656211	MMBD1404	+	SOT-23	200BV, 0.2A (General purpose) *	.049	.025	.023
655744	MMBD1501A	+	SOT-23	200BV, 0.2A (Low leakage) *	.041	.025	.023
656245	MMBD1704	+	SOT-23	30BV, 0.05A (Low leakage) *	.049	.025	.023
				a.			

*10 pcs. in Diode/Rectifier cabinet kit, right

VSH = Vishay

				*	Minimum	order 10) piece
Part No.	Product No.	Mfr.	Pkg.	Description 1	10	100	1000
656165	MMBD1705	+	SOT-23	30BV, 0.05A (Low leakage) *	\$.049	\$.025	\$.02
179215	1N4148⊕	VSH	DO-35	100PRV (Switching) *	.04	.03	.02
36038	1N4148 🕀 * *	+	DO-35	75PRV, 0.01A (Switching) *	.036	.028	.02
151247	1N4148T ↔	+	DO-35	75PRV, 0.01A (Switching) #	#	#	.00
656077	FDLL4150	+	LL-34	75BV, 0.4A (Ultrafast) *	.041	.025	.02
656042	1N4150	+	DO-35	75BV, 0.4A (Ultrafast) *	.033	.017	.01
656000	1N4151	+	DO-35	75VRRM, 0.15A (Switching) *	.033	.017	.01
655947	1N4154	+	DO-35	35BV, 0.3A (Switching) *	.019	.014	.00
656051	1N4454	+	DO-35	75BV, 0.4A (Ultrafast) *	.029	.017	.01
656309	MMBD7000	+	SOT-23	100BV, 0.2A (Ultrafast) *	.049	.025	.02
→ Jameco Va	lue Offering		VSH = Vis	hay			

Transient Voltage Suppressors

**100 pcs. in Diode/Rectifier cabinet kit, below

D0-15/D0-41

Taped-ammo style: order in increments of 1000

						*1	Minimun	n order 10) pieces
Part No.	Product No.	Watts	Pkg.	Min. Brkdwn Volt. (V _{BR})	Stand-Off Voltage	1	10	100	1000
254991	SA12CA⊕	500	DO-15	13.3	12.0	\$.22	\$.20	\$.16	\$.12
254908	SA28A⊕	500	DO-15	31.1	28\$.3	.21	.189	.151	.113
256663	P6KE6.8A⊕	600	DO-15	6.45	5.8	*	.14	.13	.096
255847	P6KE24CA€	600	DO-15	22.8	20.5	19	.17	.136	.104
255775	P6KE33CA€	600	DO-15	31.4	28.2	26	.23	.184	.138
255951	P6KE150CA	⊕600	DO-15	143.0	128	21	.16	.14	.10
255839	P6KE250CA€	600	DO-15	237.0	214	23	.20	.16	.126
618118	1N5908	1500	DO-41	6.0	—	57	.51	.298	.268

Triacs







Part No.	Product No.	Mfr.	Pkg.	Туре	Rating	1	10	100
31819	SC146B	+	TO-220	Triac	200 V _{DRM} , 10A (2N6342)	\$1.29	\$1.15	\$.99
31827	SC146M	+	TO-220	Triac	600 V _{DRM} , 10A (2N6344)	1.99	1.79	1.43
160207	Q4008L4	TEC	TO-220AB	Triac	400 V _{DRM} , 8A	1.07	.92	.69
220492	Q4008R4	TEC	TO-220AB	Triac	400 V _{DRM} , 8A	80	.71	.68
139336	Q4015L5⊕	+	TO-220AB	Triac	400 V _{DRM} , 15A	1.55	1.36	1.25
160215	Q6008L5⊕	TEC	TO-220AB	Triac	600 V _{DRM} , 8A	1.36	1.15	.87
160231	Q6015L5⊕	TEC	TO-220AB	Triac	600 V _{DRM} , 15A	1.59	1.44	1.08
220505	Q6025R6⊕	TEC	TO-220AB	Triac	600 V _{DRM} , 25A	1.89	1.66	1.55
220521	Q6035P5⊕	TEC	TO-3	Triac	600 V _{DRM} , 35A	6.65	5.65	4.24
140425	2N6071A⊕	+	TO-225AA	Triac	200 V _{DRM} , 4A	29	.27	.25
→ Jameco \	/alue Offering	TEC	= Teccor					

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611),

100 eacii.	111714, 1114004, 1114140			
Part No.	Description	Wt. (lbs.)	1	10
82587	420 pcs. (15 types) diode kit	5.0	\$39.95	\$35.95
130366	Refill for 82587 (420 pcs.)	0.3	25.95	22.30

Troubleshooting & Repairing Consumer Electronics without a Schematic

TAB Publishing Learn how to locate, test, and repair defective components in audio amplifiers, car radios, cassette decks, TV chassis, compact disc players, power supplies, AM/FM receivers and VCRs. (475 pages, 1997)

Part No.	Description	Size	Wt. (lbs.)	Pri
136080	Troubleshooting & Repairing	7.4" x 9.3"	1.1	\$24.

ROHS compliant product 🕙 This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page



◆ Jameco Value Offering

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



SanRex® Through Hole - Standard Triacs

Part No.	Product No.*	Pkg.	Rating (X _{DRM} ,	I _{T(RMS)})	1 10	100
657037	TMG5C60₹	TO-220AB	Non-isolated	5A, 600V \$1.	30 \$1.13	\$.88
657045	TMG5C80₹	TO-220AB	Non-isolated	5A, 800V 1.3	39 1.27	1.13
657053	TMG8C60₹	TO-220AB	Non-isolated	8A, 600V	79 .74	.69
657061	TMG8C80₹	TO-220AB	Non-isolated	8A, 800V 1.4	49 1.38	1.23
657070	TMG10C60 ₹	TO-220AB	Non-isolated	10A, 600V 1.	44 1.29	1.17
657088	TMG10C80₹	TO-220AB	Non-isolated	10A, 800V	.63	.58
657096	TMG12C60₹	TO-220AB	Non-isolated	12A, 600V	90 .84	.77
657109	TMG12C80₹	TO-220AB	Non-isolated	12A, 800V 1.0	.93	.86
657117	TMG16C60₹	TO-220AB	Non-isolated	16A, 600V 1.0	.95	.87
657125	TMG16C80₹	TO-220AB	Non-isolated	16A, 800V 1.0	.95	.87
657133	TMG20C60₹	TO-220AB	Non-isolated	20A, 600V 1.2	29 1.19	1.09
657150	TMG3C60F₹	TO-220F	Isolated	3A, 600V	97 .86	.78
657176	TMG5C60F₹	TO-220F	Isolated	5A, 600V	.80	.74
657184	TMG5C80F₹	TO-220F	Isolated	5A, 800V 1.4	49 1.37	1.23
657192	TMG8C60F₹	TO-220F	Isolated	8A, 600V	81 .76	.71
657205	TMG8C80F₹	TO-220F	Isolated	8A, 800V 1.	65 1.49	1.34
657213	TMG10C60F₹	TO-220F	Isolated	10A, 600V 1.	55 1.40	1.27
657221	TMG10C80F₹	TO-220F	Isolated	10A, 800V	90 .84	.78
657256	TMG16C60F₹	TO-220F	Isolated	16A, 600V 1.4	43 1.25	.97
657264	TMG16C80F₹	TO-220F	Isolated	16A, 800V	98 .92	.85
657272	TMG20C60F₹	TO-220F	Isolated	20A, 600V 1.4	42 1.32	1.24
657310	TMG16C60L₹	TO-3P	Non-isolated	16A, 600V 4.0	05 3.58	3.31
657328	TMG16C80L₹	TO-3P	Non-isolated	16A, 800V 3.2	25 2.85	2.45
657336	TMG25C60L₹	TO-3P	Non-isolated	25A, 600V 4.0	05 3.58	3.31
657344	TMG25C80L₹	TO-3P	Non-isolated	25A, 800V 3.2	25 2.85	2.45
657352	TMG16C60J₹	TO-3PF	Isolated	16A, 600V 4.0	05 3.58	3.31
657361	TMG16C80J₹	TO-3PF	Isolated	16A, 800V 3.2	25 2.85	2.45
657379	TMG25C60J₹	TO-3PF	Isolated	25A, 600V 4.0	05 3.58	3.31
657387	TMG25C80J₹	TO-3PF	Isolated	25A, 800V 3.:	25 2.85	2.45

SanRex® Through Hole - Sensitive Gate Triacs

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Part No.	Product No.*	Pkg.	Rating (X _{DRM} ,	I _{T(RMS)})	1 10	100
657395	TMG5D60₹	TO-220AB	Non-isolated	5A, 600V \$.	70 \$.65	\$.61
657424	TMG8D80₹	TO-220AB	Non-isolated	8A, 800V 1.	31 1.15	.89
657432	TMG10D60 ₹	TO-220AB	Non-isolated	10A, 600V	81 .74	.67
657459	TMG12D60₹	TO-220AB	Non-isolated	12A, 600V 1.	59 1.40	1.09
657483	TMG16D80₹	TO-220AB	Non-isolated	16A, 800V 1.	.95	.87
657491	TMG20D60 ₹	TO-220AB2	Non-isolated	20A, 600V 1.	42 1.32	1.24
657539	TMG3D60F₹	TO-220F	Isolated	3A, 600V 1.	27 1.16	1.04
657555	TMG5D60F ₹	TO-220F	Isolated	5A, 600V 1.	45 1.29	1.00
657571	TMG8D60F₹	TO-220F	Isolated	8A, 600V	83 .76	.70
657598	TMG10D60F₹	TO-220F	Isolated	10A, 600V 1.	44 1.29	1.17
657619	TMG12D60F₹	TO-220F	Isolated	12A, 600V	82 .75	.68
657635	TMG16D60F₹	TO-220F	Isolated	16A, 600V	98 .90	.80
657643	TMG16D80F₹	TO-220F	Isolated	16A, 800V	98 .92	.86
657651	TMG20D60F₹	TO-220F	Isolated	20A, 600V 1.	42 1.32	1.24
657694	TMG16D60L₹	TO-3P	Non-isolated	16A, 600V 4.	05 3.58	3.31
657707	TMG16D80L₹	TO-3P	Non-isolated	16A, 800V 3.	25 2.85	2.45
657715	TMG25D60L₹	TO-3P	Non-isolated	25A, 600V 4.	05 3.58	3.31
657723	TMG25D80L₹	TO-3P	Non-isolated	25A, 800V 3.	25 2.85	2.45
657731	TMG16D60J₹	TO-3PF	Isolated	16A, 600V 4.	05 3.58	3.31
657740	TMG16D80J₹	TO-3PF	Isolated	16A, 800V 3.	25 2.85	2.45
657758	TMG25D60J₹	TO-3PF	Isolated	25A, 600V 4.	05 3.58	3.31
657766	TMG25D80J₹	TO-3PF	Isolated	25A, 800V 3.	25 2.85	2.45

SanRex® Surface Mount Device - Sensitive Gate Triacs

Part No.	Product No.*	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
657918	TMG2D60D₹	TO-252 D-Pack	Non-isolated 2A, 600V	\$1.16	\$1.02	\$.77
657926	TMG2D80D₹	TO-252 D-Pack	Non-isolated 2A, 800V	96	.80	.64
657934	TMG3D60D₹	TO-252 D-Pack	Non-isolated 3A, 600V	. 1.16	1.02	.77
658056	TMG16D60H₹	TO-263 D2-Pack	Non-isolated 16A, 600V	. 1.42	1.32	1.24
* For cross	references to Little	MO box TZ aguilla	Somi products refer to data	shoots (a lamero	com

SanRex® Surface Mount Device - Standard Triacs

Part No.	Product No.*	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
657774	TMG3C60D₹	TO-252 D-Pack	Non-isolated 3A, 600V	\$1.13	\$.99	\$.76
657791	TMG5C60D₹	TO-252 D-Pack	Non-isolated 5A, 600V	. 1.13	.99	.76
657838	TMG8C60H ₹	TO-263 D2-Pack	Non-isolated 8A, 600V	. 1.47	1.24	1.04
657871	TMG12C60H₹	TO-263 D2-Pack	Non-isolated 12A, 600V	71	.65	.59
657897	TMG16C60H₹	TO-263 D2-Pack	Non-isolated 16A, 600V	. 1.42	1.32	1.24

SanRex® Surface Mount Device - TJ = 150° Triacs

Part No.	Product No.*	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
664616	TMG2CQ60D₹	TO-252 D-Pack	Non-isolated 3A, 600V	\$1.16	\$1.02	\$.77
658072	TMG2DQ60D₹	TO-252 D-Pack	Non-isolated 2A, 600V	. 1.16	1.02	.77
658081	TMG3CQ60D ₹	TO-252 D-Pack	Non-isolated 3A, 600V	. 1.16	1.02	.77
658099	TMG3DQ80D₹	TO-252 D-Pack	Non-isolated 3A, 800V	. 1.16	1.02	.77
658128	TMG8CQ60H₹	TO-263 D2-Pack	Non-isolated 8A, 600V	. 1.47	1.24	1.04

SanRex® Fast-On Package Triacs

Part No.	Product No.*	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
658187	TG25E40 ₹	Fast-On	Isolated 25A, 400V	\$5.99	\$5.29	\$4.89
658195	TG25E60 ₹	Fast-On	Isolated 25A, 600V	5.99	5.29	4.89
658208	TG35E40 ≈	Fast-On	Isolated 35A, 400V	7.29	6.44	5.95
658216	TG35E60 ≈	Fast-On	Isolated 35A, 600V	7.29	6.44	5.95
658241	TG25F40 ≈	Fast-On	Isolated 25A, 400V	5.99	5.29	4.89
658259	TG25F60 ₹	Fast-On	Isolated 25A, 600V	5.99	5.29	4.89
658267	TG35F40 ₹	Fast-On	Isolated 35A, 400V	7.29	6.44	5.95
658275	TG35F60₹	Fast-On	Isolated 35A, 600V	7.29	6.44	5.95

^{*} For cross references to Littelfuse, ST, and ON-Semi products, refer to datasheets.

Silicon Controlled Rectifiers (SCRs)

0		Ē		7 =		=		0
	TO-65		TO-220	TO-92		٦ Minimum	0-202A	
Part No.	Product No.	Mfr.	Pkg.	Rating	1	10	100	1000
14859	C38M	+	TO-65	600 PRV, 35A (2N3899)	\$6.89	\$6.19	\$5.59	\$5.05
14736	C106B1*	+	TO-202	200 PRV, 4A (2N6239)†	67	.54	.46	.40
14752	C122B	+	TO-220	200 PRV, 8A [†]	73	.66	.63	.52
14761	C122M	+	TO-220	600 PRV, 8A [†]	1.35	1.25	1.05	.69
220530	T106B1⊕	+	TO-202AB	200 V _{DRM} , 4A	49	.446	.416	.31
160119	T106D1⊕	+	TO-202AB	400 V _{DRM} , 4A	41	.369	.295	.248
119802	2N5060⊕	+	TO-92	25 PRV, 0.8A	21	.19	.15	.12
211422	2N5061⊕	+	TO-92	60 PRV, 0.8A	*	.141	.113	.085
120070	2N5062⊕	+	TO-92	100 PRV, 0.8A	*	.13	.12	.11
140417	2N6507⊕	+	TO-220AB	400 PRV, 25A	83	.75	.63	.56
220548	S4025L⊕	TEC	TO-220AB	400 V _{DRM} , 25A	1.49	1.42	1.34	1.30
160135	S6025L⊕	TEC	TO-220AB	600 V _{DRM} , 25A	1.45	1.31	1.18	1.04
†Isolated	→ Jameco Va	lue Offe	ering TEC	C = Teccor *10 pcs. in	Diode/Re	ectifier ca	abinet kit	, pg 36

Rectifiers Package (see pg 38)

						*!	Vinimum	order 10) pieces
Part No.	Product No.	Mfr.	Pkg.	Rating		1	10	100	1000
177754	T6A05L⊕	+	T6L	50 P	V, 6A	\$.36	\$.32	\$.288	\$.265
177762	T6A10L⊕	+	T6L	100 P	V, 6A	75	.65	.55	.45
177818	T6A100L⊕	+	T6L	1000 P	V, 6A		.72	.65	.49
618100	MBR745	+	TO-220	35 V	RRM, 7.5A	56	.49	.437	.393
301444	MBR1060⊕	+	TO-220	60 V	RRM, 10A	63	.56	.48	.43
35924	1N1188 ⊕	+	DO-5	400 P	RV, 35A	4.49	4.45	4.14	3.28
645706	MBR1645	+	TO-220	45 V	RRM, 16A	85	.74	.63	.56
618097	MBR2535CR	+	TO-220	35 V	RRM, 30A	85	.78	.71	.67
35975	1N4001⊕*	+	DO-41	50 P	RV, 1A	*	.04	.028	.017
76961	1N4002⊕	+	DO-41	100 P	RV, 1A	*	.04	.028	.017
76970	1N4003⊕	+	DO-41	200 P	RV, 1A	*	.025	.02	.015
35991	1N4004⊕**	+	DO-41	400 P	RV, 1A	*	.04	.028	.017
76988	1N4005⊕	+	DO-41	600 P	RV, 1A	*	.04	.028	.017
76996	1N4006⊕	+	DO-41	800 P	RV, 1A	*	.04	.028	.017
36011	1N4007 ⊕ *	+	DO-41	1000 P	RV, 1A	*	.04	.03	.021
77075	1N5400⊕	+	DO-27A	50 P	RV, 3A	*	.10	.098	.074
36249	1N5401⊕	+	DO-27A	100 P	V, 3A	*	.09	.076	.051
→ Jameco ¹	Value Offering	*10	pcs./ **10	0 pcs. in I	Diode/Rectifi	er cabinet kit,	pg 36		

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



^{... *} 📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

40 @ 2A ***

20 @ 3A

20 @ 3A ..

790971

886761

886593

808341

MRRR1045

MBR1045**4**

MBRB1045T44

MBR1045G ₹

D2PACK

D2PACK

TO-220AC/2

TO-220AC/2

45 @ 10A

45 @ 10A

45 @ 10A*

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.66

.78

.172

.14

.72

.85

.181



1.32

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.458

56

.88

439

.385

99 77

.. .60

866138

791084

791105

866162

MBRS240LT3G ₹ SMB

DPACK

DPACK

SMC

MBRD3204

MBRD320G ₹

MBRS320T3♠

[🗷] RoHS compliant product 🕒 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Part No. Product No. Pkg. Rating To-200AC/2 60 @ 10A
808376 MBR1060G 常 TO-220AC/2 60 @ 10A
790479 MBR1080全 TO-220AC/2 80 @ 10A
790508 MBR1090全 TO-220AC/2 90 @ 10A
865784 MBRS1100T3
865813 MBRS1100T3G 元
790541 MBR1100G
802100 MUR1515♠ TO-220AC/2 150 @ 15A
879297 MUR1520♣ TO-220AC/2 200 @ 15A
879318 MUR1520G
790583 MBR1535CTG₹♠ TO-220AB/3 35 @ 15A 1.00 .92 .88
879334 MUR1540♠ TO-220AC/2 400 @ 15A
886770 MBRB1545CT♣ D2PACK 45 @ 15A
886614 MBR1545CT♠ TO-220AB/3 45 @ 15A
790604 MBR1545CTG
879351 MUR1560♠ TO-220AC/2 600 @ 15A 1.39 1.34 1.18 879377 MUR1560G♠ TO-220AC/2 600 @ 15A 1.45 1.27 96 802126 MUR1610CT♠ TO-220AB/3 100 @ 16A 1.18 1.08 99 879457 MUR1615CT♠ TO-220AB/3 150 @ 16A53 482 44 802134 MUR1615CTG♠ TO-220AB/3 150 @ 16A53 482 44 879473 MUR1620CT♠ TO-220AB/3 200 @ 16A53 482 44 879473 MUR1620CT♠ TO-220AB/3 200 @ 16A101 88 83 879490 MUR1620CTG♠ TO-220AB/3 200 @ 16A72 5524 44 879511 MUR1620CTR TO-220AB/3 200 @ 16A101 94 77 8802151 MUR1620CTR♠ TO-220AB/3 200 @ 16A101 94 77 886631 MBR1635♠ TO-220AB/3 200 @ 16A101 94 77 886631 MBR1635♠ TO-220AC/2 35 @ 16A54 519 56 802177 MUR1640CT♠ TO-220AB/3 400 @ 16A159 1.41 1.00 802193 MUR1640CT♠ TO-220AB/3 400 @ 16A59 1.41 1.00 802193 MUR1640CT♠ TO-220AB/3 400 @ 16A59 1.41 1.00 802425 MURB1660CT♠ TO-220AB/3 400 @ 16A59 1.41 1.00 802425 MURB1660CT♠ TO-220AB/3 400 @ 16A83 80 78 802425 MURB1660CT♠ TO-220AB/3 400 @ 16A83 8.0 78 802231 MUR2020R♠ TO-220AC/2 45 @ 16A68 8.7 55 802425 MURB1660CT♠ TO-220AB/3 600 @ 16A29 1.06 99 802231 MUR2020R♠ TO-220AC/2 200 @ 20A249 2.23 1.56 802257 MUR2020R♠♠ TO-220AC/2 200 @ 20A249 2.23 1.56 806082 MBRS2030CTL♠ TO-220AB/3 45 @ 20A89 8.8 3.3 806687 MBR2045CT♠ TO-220AB/3 45 @ 20A89 8.8 3.6 866682 MBRS2040LT3♠ SMB 40 @ 2A♠ 388 3.3 866681 MBR2080CT♠ TO-220AB/3 60 @ 10A88 8.2 7.7 890743 MBR2060CT♠ TO-220AB/3 60 @ 10A88 8.8 2 7.7 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A05 88 8.8 0 7.7 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A05 88 8.8 0 7.7 8801473 MR2504♠ MICRO BUTTON 400 @ 25A51 4.73 4.7
879377 MUR1560G ₹♠ TO-220AC/2 600 @ 15A
802126 MUR1610CT♠ TO-220AB/3 100 @ 16A
802134 MUR1615CTG 10-220AB/3 150 @ 16A53 .482 .44 879473 MUR1620CT 10-220AB/3 200 @ 16A101 .88 .83 879490 MUR1620CTG 10-220AB/3 200 @ 16A72 .524 .44 879511 MUR1620CTR T0-220AB/3 200 @ 16A140 1.23 .94 802151 MUR1620CTR 70-220AB/3 200 @ 16A177 .91 .83 879836 MUR81620CT D2PACK 300 @ 16A101 .94 .74 886631 MBR1635 T0-220AC/2 35 @ 16A54 .519 .50 802177 MUR1640CT 10-220AC/2 35 @ 16A76 .70 .66 802177 MUR1640CT 10-220AC/2 35 @ 16A76 .70 .66 802177 MUR1640CT 10-220AC/2 35 @ 16A83 .80 .71 802425 MURB1645G 10-220AC/2 45 @ 16A83 .80 .71 802425 MURB1660CT 10-220AC/2 45 @ 16A68 .57 .55 802425 MURB1660CT 10-220AC/2 45 @ 16A68 .57 .55 802425 MURB1660CT 10-220AC/2 45 @ 16A48 1.25 1.00 879537 MUR1660CT 10-220AC/2 200 @ 20A29 1.06 .97 802231 MUR2020R 10-220AC/2 200 @ 20A29 2.23 1.56 802257 MUR2020R 10-220AC/2 200 @ 20A29 1.35 1.22 790680 MBR2030CTL 10-220AB/3 30 @ 20A189 1.60 1.38 866082 MBRS2040LT3
879473 MUR1620CT♠ TO-220AB/3 200 @ 16A
879490 MUR1620CTG 10-220AB/3 200 @ 16A 72 .524 .44 879511 MUR1620CTR TO-220AB/3 200 @ 16A 1.40 1.23 .94 802151 MUR1620CTR
879511 MUR1620CTR TO-220AB/3 200 @ 16A 1.40 1.23 9/802151 MUR1620CTRG ₹♣ TO-220AB/3 200 @ 16A 1.17 91 88 879836 MURB1620CT♠ D2PACK 300 @ 16A 1.01 94 7 886631 MBR1635♠ TO-220AC/2 35 @ 16A 54 519 55 790621 MBR1635G ₹♠ TO-220AC/2 35 @ 16A 76 70 .6 802177 MUR1640CT♠ TO-220AB/3 400 @ 16A 1.59 1.41 1.00 802177 MUR1640CT♠ TO-220AB/3 400 @ 16A 83 8.0 76 790647 MBR1640CT ₹₱ TO-220AB/3 400 @ 16A 83 8.0 76 790647 MBR1640CT ₹₱ TO-220AB/3 400 @ 16A 83 8.0 76 802425 MURB1660CT♠ TO-220AB/3 400 @ 16A 84 1.25 1.00 879537 MUR1660CT♠ TO-220AB/3 600 @ 16A 1.48 1.25 1.00 879537 MUR1660CT♠ TO-220AB/3 600 @ 16A 1.29 1.06 99 802231 MUR2020R♠ TO-220AC/2 200 @ 20A 2.49 2.23 1.50 802257 MUR2020RG ₹♠ TO-220AC/2 200 @ 20A 1.49 1.35 1.22 790680 MBR2030CTL♠ TO-220AB/3 30 @ 20A 1.89 1.60 1.3 866082 MBRS2040LT3♠ SMB 40 @ 2A ★ 388 .33 886673 MBR2045CT♠ TO-220AB/3 45 @ 20A 86 80 77 790701 MBR2045CT ₹₱ TO-220AB/3 45 @ 20A 86 80 77 790707 MBR2045CT ₹₱ TO-220AB/3 60 @ 20A 89 83 60 790777 MBR2045CT ₹₱ TO-220AB/3 60 @ 20A 89 83 60 77 790707 MBR2045CT ₹₱ TO-220AB/3 60 @ 20A 88 8.82 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.82 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 88 8.80 77 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 51 473 473 473 474 474 474 474 474 474 474
802151 MUR1620CTRG₹♣ TO-220AB/3 200 @ 16A 1.17 .91 .8: 879836 MURB1620CT♣ D2PACK 300 @ 16A 1.01 .94 .7 .886631 MBR1635♠ TO-220AC/2 35 @ 16A .54 .519 .56 .790621 MBR1635G₹♠ TO-220AC/2 35 @ 16A .76 .70 .6 .802177 MUR1640CT♣ TO-220AB/3 400 @ 16A 1.59 1.41 1.00 .83 .80 .78 .790647 MBR1640CT♠ TO-220AB/3 400 @ 16A .83 .80 .78 .790647 MBR1640CT♠ TO-220AC/2 45 @ 16A .83 .80 .78 .790647 MBR1645G₹♠ TO-220AC/2 45 @ 16A .68 .57 .5 .58 .802425 MURB1660CT♠ D2PACK 600 @ 16A 1.48 1.25 1.00 .87 .95 .95 .95 .802231 MUR1640CT♠ TO-220AB/3 600 @ 16A 1.29 1.06 .9 .98 .802231 MUR2020R♠ TO-220AC/2 200 @ 20A 1.49 1.35 1.22 .790680 MBR2030CTL♠ TO-220AC/2 200 @ 20A 1.49 1.35 1.22 .790680 MBR2030CTL♠ TO-220AB/3 30 @ 20A 1.89 1.60 1.3 .866082 MBRS2040LT3♠ SMB 40 @ 2A .♣ .388 .33 .86673 MBR2045CT♠ TO-220AB/3 45 @ 20A .86 .80 .77 .790710 MBR2045CT♠ TO-220AB/3 45 @ 20A .86 .80 .77 .790717 MBR2045CT♠ TO-220AB/3 60 @ 20A 2.15 1.95 1.77 .790727 MBR2060CT♠ TO-220AB/3 60 @ 20A 2.15 1.95 1.77 .790727 MBR2060CT♠ TO-220AB/3 60 @ 20A 2.15 1.95 1.77 .790727 MBR2060CT♠ TO-220AB/3 60 @ 20A 2.15 1.95 1.77 .790727 MBR2060CT♠ TO-220AB/3 60 @ 20A 2.15 1.95 1.77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .790743 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .88 .80 .77 .
879836 MURB1620CT♣ D2PACK 300 @ 16A 1.01 .94 .77 886631 MBR1635♠ T0-220AC/2 35 @ 16A .54 .519 .50 790621 MBR1635G₹♠ T0-220AB/3 400 @ 16A .76 .70 .66 802177 MUR1640CT♠ T0-220AB/3 400 @ 16A .1.59 1.41 1.00 802193 MUR1640CTG₹♠ T0-220AB/3 400 @ 16A .83 .80 .70 790647 MBR1645G₹♠ T0-220AC/2 45 @ 16A .68 .57 .50 802425 MURB1660CT♠ D2PACK 600 @ 16A .1.48 1.25 1.00 879537 MUR1640CT♠ T0-220AB/3 600 @ 16A .1.29 1.06 .99 802231 MUR2020R♠ T0-220AC/2 200 @ 20A .1.49 1.35 1.20 802257 MUR2020R♠ T0-220AC/2 200 @ 20A .1.49 1.35 1.20 790680 MBR2030CTL♠ T0-220AB/3 30 @ 20A .1.89 1.60 1.34 866082 MBRS2040LT3♠ SMB 40 @ 2A .♣ .388 .33 886673 MBR2045CT♠ T0-220AB/3 45 @ 20A .86 .80 .77 790710 MBR2045CTG₹♠ T0-220AB/3 45 @ 20A .89 .83 .66 790771 MBR2060CT♠ D2PACK 60 @ 20A .89 .83 .66 790772 MBR2060CT♠ T0-220AB/3 60 @ 10A .88 .80 .77 886681 MBR2080CT♠ T0-220AB/3 80 @ 20A .1.05 .81 .77 886681 MBR2080CT♠ T0-220AB/3 80 @ 20A .1.05 .81 .77 80743 MBR2080CT♠ T0-220AB/3 80 @ 20A .1.05 .81 .77 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
886631 MBR1635♠ TO-220AC/2 35 @ 16A
790621 MBR1635G ₹♠ TO-220AC/2 35 @ 16A
802193 MUR1640CTG₹♠ TO-220AB/3 400 @ 16A
790647 MBR1645G ♠ TO-220AC/2 45 @ 16A
802425 MURB1660CT♠ D2PACK 600 @ 16A 1.48 1.25 1.06 879537 MUR1660CT♠ T0-220AB/3 600 @ 16A 1.29 1.06 .97 802231 MUR2020R♠ T0-220AC/2 200 @ 20A 2.49 2.23 1.56 802257 MUR2020R€♠ T0-220AC/2 200 @ 20A 1.49 1.35 1.27 790680 MBR2030CTL♠ T0-220AB/3 30 @ 20A 1.89 1.60 1.3 866082 MBRS204DLT3♠ SMB 40 @ 2A .* 388 .38 886673 MBR2045CT♠ T0-220AB/3 45 @ 20A .86 .80 .7 790701 MBR2045CT♠ T0-220AB/3 45 @ 20A .89 .83 .6 791017 MBR2060CT♠ D2PACK 60 @ 20A 2.15 1.95 1.7 790727 MBR2060CT♠ T0-220AB/3 60 @ 10A .88 .82 .7 886681 MBR2080CT♠ T0-220AB/3 80 @ 20A 1.05 .81 .7 801473 MBR2050A MICRO BUTTON 400 @ 25A <td< td=""></td<>
879537 MUR1660CT TO-220AB/3 600 @ 16A 1.29 1.06 .97 802231 MUR2020R TO-220AC/2 200 @ 20A 2.49 2.23 1.50 802257 MUR2020RG TO-220AC/2 200 @ 20A 1.49 1.35 1.22 790680 MBR2030CTL TO-220AB/3 30 @ 20A 1.89 1.60 1.3 866082 MBR2040LT3 SMB
802231 MUR2020R♠ TO-220AC/2 200 @ 20A 2.49 2.23 1.56 802257 MUR2020RGR♠ TO-220AC/2 200 @ 20A 1.49 1.35 1.27 790680 MBR2030CTL♠ TO-220AB/3 30 @ 20A 1.89 1.60 1.34 866082 MBRS2040LT3♠ SMB 40 @ 2A .* 388 .33 886673 MBR2045CT♠ TO-220AB/3 45 @ 20A .86 .80 .7 790701 MBR2045CTG₱♠ TO-220AB/3 45 @ 20A .89 .83 .6 790177 MBR82060CT♠ D2PACK 60 @ 20A 2.15 1.95 1.7 790727 MBR2060CT♠ TO-220AB/3 60 @ 10A .88 8.8 2 7 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .7 790743 MBR2080CT♠ TO-220AB/3 80 @ 10A .88 .80 .7 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
802257 MUR2020RG € ↑ TO-220AC/2 200 @ 20A 1.49 1.35 1.27 790680 MBR2030CTL ↑ TO-220AB/3 30 @ 20A 1.89 1.60 1.34 866082 MBRS2040LT3 ↑ SMB 40 @ 2A .* 388 .38 886673 MBR2045CT ↑ TO-220AB/3 45 @ 20A .86 .80 .7 790701 MBR2045CT € ↑ TO-220AB/3 45 @ 20A .89 .83 .6 791017 MBR82060CT ♠ D2PACK 60 @ 20A 2.15 1.95 1.7 790727 MBR2060CT ♠ TO-220AB/3 60 @ 10A 88 82 .7 886681 MBR2080CT ♠ TO-220AB/3 80 @ 20A 1.05 .81 .7 790743 MBR2080CT € TO-220AB/3 80 @ 10A .88 .80 .7 801473 MR2504 ♠ MICRO BUTTON 400 @ 25A .51 .473 .42
790680 MBR2030CTL♠ TO-220AB/3 30 @ 20A 1.89 1.60 1.34 866082 MBRS2040LT3♠ SMB 40 @ 2A * .388 .33 886673 MBR2045CT♠ TO-220AB/3 45 @ 20A 86 .80 .77 790701 MBR2045CTG₱♠ TO-220AB/3 45 @ 20A 89 .83 .66 791017 MBRB2060CT♠ D2PACK 60 @ 20A 2.15 1.95 1.77 790727 MBR2060CT♠ TO-220AB/3 60 @ 10A 88 .82 .76 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 790743 MBR2080CT₱♠ TO-220AB/3 80 @ 10A 88 .80 .73 801473 MR2504♠ MICRO BUTTON 400 @ 25A 51 .473 .42
886673 MBR2045CT♠ TO-220AB/3 45 @ 20A .86 .80 .77 790701 MBR2045CTG₹♠ TO-220AB/3 45 @ 20A .89 .83 .66 791017 MBRB2060CT♠ D2PACK 60 @ 20A 2.15 1.95 1.77 790727 MBR2060CT♠ TO-220AB/3 60 @ 10A .88 .82 .76 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 790743 MBR2080CTG₹♠ TO-220AB/3 80 @ 10A .88 .80 .73 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
790701 MBR2045CTG₹♠ TO-220AB/3 45 @ 20A .89 .83 .66 791017 MBRB2060CT♠ D2PACK 60 @ 20A 2.15 1.95 1.72 790727 MBR2060CT♠ TO-220AB/3 60 @ 10A .88 .82 .76 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .77 790743 MBR2080CTG₹♠ TO-220AB/3 80 @ 10A .88 .80 .73 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
791017 MBRB2060CT♠ D2PACK 60 @ 20A 2.15 1.95 1.77 790727 MBR2060CT♠ T0-220AB/3 60 @ 10A .88 .82 .76 886681 MBR2080CT♠ T0-220AB/3 80 @ 20A 1.05 .81 .77 790743 MBR2080CTG��♠ T0-220AB/3 80 @ 10A .88 .80 .73 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
790727 MBR2060CT♠ TO-220AB/3 60 @ 10A .88 .82 .76 886681 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .73 790743 MBR2080CTG♠ TO-220AB/3 80 @ 10A .88 .80 .73 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
886681 MBR2080CT♠ TO-220AB/3 80 @ 20A 1.05 .81 .75 790743 MBR2080CTG₹♠ TO-220AB/3 80 @ 10A .88 .80 .75 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .42
790743 MBR2080CTG₹♠ TO-220AB/3 80 @ 10A .88 .80 .73 801473 MR2504♠ MICRO BUTTON 400 @ 25A .51 .473 .43
801473 MR2504♠ MICRO BUTTON 400 @ 25A
791033 MBRB2515I♠ D2PACK 15 @ 25A 1 95 1 75 1 50
1.70 1.70 1.70
790760 MBR2515L♠ TO-220AC/2 15 @ 25A
878841 MR2535L♠ 194 20 @ 6A
878850 MR2535LRL♠ 194 20 @ 6A
865506 MBRB2535CTL♠ D2PACK 35 @ 12.5A
791236 MBRB2545CT♠* TO-220/3 45 @ 25A
865531 MBRB2545CT♠ D2PACK 45 @ 30A
886690 MBR2545CT♠ TO-220AB/3 45 @ 30A
879553 MUR3020PT♠ TO-218/3 200 @ 30A
802273 MUR3020PTG₹♠ TO-218/3 200 @ 30A
802290 MUR3020WT♠ TO-247/3 200 @ 30A
791050 MBRB3030CTL♠ D2PACK 30 @ 30A
886702 MBR3045PT♠ TO-218/3 45 @ 30A
790807 MBR3045WT♠ TO-247/3 45 @ 30A
879596 MUR3060PT♠ TO-218/3 600 @ 30A
879609 MUR3060WT♠ TO-247/3 600 @ 30A
790815 MBR3100G₹♠ DO-201AD 100 @ 3A
879078 MRA4003T3♠ SMA 300 @ 1A
879094 MRA4004T3 SMA 400 @ 1A
* Isolated

ON Semiconductor*	Pactifiers (Cont
OH Semiconductor	Recuirers (Cont.

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Part No.	Product No.	Pkg.	Rating	* Minimun	n order 5 5	pieces 50
879131	MRA4007T3♠	SMA	1000 @ 1A			\$.136
790858	MBR4015CTLG ₹ ♠		15 @ 40A		1.06	1.03
790874	MBR4015LWT♠	TO-220AD/3	15 @ 40A		7.35	4.90
790891	MBR4045PT♠	TO-247/3	45 @ 40A		1.56	1.39
879625	MUR4100FG ₹♠	DO-201AD	1000 @ 8A		.329	.292
790911	MBR6045WT♠	TO-247AC/3	45 @ 60A		3.48	3.41
879748	MUR8100E♠	TO-220AC/2	1000 @ 8A		.61	.57
886577	MBR10100♠	TO-220AC/2	100 @ 10A		.84	.76
886585	MBR10100G ₹ ♠	TO-220AC/2	100 @ 10A		.75	.68
886788	MBRB20100CT♠	D2PACK	100 @ 20	1.15	1.04	.93
790997	MBRB20100CTG₹	D2PACK	100 @ 20A		.93	.90
886649	MBR20100CT♠	TO-220AB/3	100 @ 20A	1.05	.95	.82
886657	MBR20100CTG ₹♠	TO-220AB/3	100 @ 20A	1.05	.95	.81
791181	MBRF20100CT◆*	TO-220/3	100 @ 20A	1.65	1.50	1.47
886665	MBR20200CT♠	TO-220AB/3	200 @ 20A	1.79	1.68	1.55
790663	MBR20200CTG ₹♠	TO-220AB/3	200 @ 20A	1.79	1.59	1.34
865477	MBRB20200CT♠	D2PACK	200 @ 20A	2.29	2.15	1.99
791199	MBRF20200CT◆*	TO-220/3	200 @ 20A	3.09	2.50	2.04
791210	MBRF20200CTG ₹♠*	TO-220/3	200 @ 20A	3.09	2.72	2.04
* Isolated						

Bridge Rectifiers

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DF/D	IP-4/SDIP-4		KBP	WOO	3	١	NOM	
		φ_	C3=	•	 ⊕ □ □ □ □ □			
BR8	BD	GB		MB35	TB35	179	9-01	3/
Part No.	Product No.	Mfr.	Pkg. [†]	Rating	1	10	100	1000
178001	DF005M⊕	+	DF	50 PIV, 1A	\$.35	\$.30	\$.22	\$.13
103000	DF01M⊕	+	DF	100 PIV, 1A	30	.27	.216	.162
103042	DF02M⊕	+	DF	200 PIV, 1A	35	.30	.22	.132
102971	DF04M⊕	+	DF	400 PIV, 1A	37	.32	.23	.17
103034	DF06M⊕	+	DF	600 PIV, 1A	24	.219	.175	.131
103026	DF10M⊕	+	DF	1000 PIV, 1A		.236	.189	.142
256575	DF08M⊕	+	DIP-4	800 PIV, 1.5A	\$.3 ⁰ .34	.306	.245	.184
145429	KBP02M⊕	+	KBP	200 PIV, 1.5A	40	.35	.29	.19
119562	KBP04M⊕*	+	KBP	400 PIV, 1.5A	48	.46	.286	.247
279494	W005G⊕	+	W0G	50 PIV, 1.5A	38	.339	.271	.203
103018	W02G⊕	+	W0G	200 PIV, 1.5A	47	.39	.34	.21
102980	W04G⊕	+	W0G	400 PIV, 1.5A	37	.39	.35	.30
179469	W08G⊕	+	W0G	800 PIV, 1.5A	29	.258	.206	.155
279515	W10G⊕	+	W0G	1000 PIV, 1.5A		.36	.288	.216
178124	W005M⊕	+	WOM	50 PIV, 1.5A		.24	.19	.13
178132	W01M⊕	+	WOM	100 PIV, 1.5A		.27	.20	.17
178141	W02M⊕	+	WOM	200 PIV, 1.5A		.38	.31	(.23)
178183	BR805D⊕	+	BR8D	50 PIV, 2A		.49	.39	.35
178204	BR82D⊕	+	BR8D	200 PIV, 2A		.77	.69	.62
178247	BR810D⊕	.	BR8D	1000 PIV, 2A		.49	.39	.35
253260	2KBP06M⊕	•	KBP	600 PIV, 2A		.467	.286	.264
253286	2KBP10M⊕		KBP	1000 PIV. 2A		.35	.29	.24
179477	GBPC25-01€		GBPC	100 PIV, 25A		1.86	1.53	1.22
179485	GBPC25-02€		GBPC	200 PIV, 25A		1.76	1.40	(1.05)
178280	MB254⊕	+	MB35	400 PIV, 25A		2.10	1.90	1.70
178335	TB252⊕	+	TB35	200 PIV, 25A		1.85	1.69	1.50
25574	MDA990-3	-	179-01	200 PIV, 30A		3.45	2.99	1.85
	MDA990-30	+	179-01			4.29		3.59
25591 299882	GBPC1204€		GBPC	600 PIV, 30A			3.99	1.15
299882 299874	GBPC1204€ GBPC1206€		GBPC	400 V _{RRM} , 12A 600 V _{RRM} , 12A		2.67	1.89	1.15
				*******		2.67		\sim
299866	GBPC1206W€	J ♦	GBPC-W	600 V _{RRM} , 12A		1.70	1.36	1.04
178431	MB358⊕	*	MB35	800 PIV, 35A		3.29	2.75	1.85
178503	TB3510⊕	***	TB35	1000 PIV, 35A		2.65	2.40	2.15

[→] Jameco Value Offering *10 pcs. in Diode/Rectifier cabinet kit, pg 36

DF/KBP/W0G/W0M/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

 [★] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.
 ★ RoHS compliant product
 ♦ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.
 Details on page 1.

Optois	olators						Optoi	solators	(Conti	nued)	ed Quantity	Available
		<u> </u>	_				Part No.		-		1 10	100
DIP	100	77	SOIC & SOP	uant	ity SAVI	E	113961	MOC3042⊕	-	Zero crossing triac driver\$.6		\$.413
	واللمامك		The state of the s				277843		DIP-6	Zero crossing triac driver		.38
Part No.	Cross Ref.	Package	Description	1	10	100	277915		DIP-6	Zero crossing phototriac driver6		.402
40985	4N25	DIP-6	Diode, NPN phototransistor	\$.22	\$.18	\$.16	133874	MOC3063 ⊕	DIP-6	Zero crossing triac driver	6 .64	.52
671808	4N25S	-	General purpose phototransistor		.212	.118	672165	•	DIP-6	Zero crossing triac driver9		.55
41005	4N26	DIP-6	Diode, NPN phototransistor		.18	(.135)	320629		DIP-6	Zero crossing optoisolator \$1.00.9		.63
671816	4N26S	SOIC-6	General purpose phototransistor		.212	.119	320611	MOC3083 ⊕		Zero crossing optoisolator		(.62)
41013	14N28	DIP-6	Diode, NPN phototransistor		.372	.279	672181 672190		DIP-6 DIP-6	Zero crossing phototriac driver1.2 Optocoupler phototransistor4		.72 .201
320565 41021	14N31 ⊕ 14N32	DIP-6	General purpose photodarlington Diode, NPN photodarlington		.273	.18	672202		DIP-6	Optocoupler phototransistor		.236
671824	4N32S	SOIC-6	GAAS IRED and phototransistor		.344	.192	672211		DIP-6	Optocoupler phototransistor		.201
41030	4N33	DIP-6	Diode, NPN photodarlington		.24	.22	672229	•	DIP-6	Optocoupler phototransistor		.202
41056		DIP-6	Diode, NPN phototransistor		.216	.213	672237		DIP-6	Optocoupler phototransistor		.181
671832	4N35S	SOIC-6	General purpose phototransistor		.202	.113	672106	MOC8111	DIP-6	Phototransistor, no base		.151
277464	4N36 ⊕	DIP-6	General purpose phototransistor	19	.17	.151	672122		DIP-6	Phototransistor, no base	.208	.16
671841	4N37	SOIC-6	General purpose phototransistor	28	.212	.119	672131		DIP-6	Phototransistor, no base	.216	.151
277510	6N135 ⊕	DIP-8	High-speed transistor optocoupler	63	.465	.428	672093	•	DIP-6	Photodarlington optocoupler		.223
42471	6N136	DIP-8	High speed transistor optocoupler		.473	.415	672069		DIP-6	Photodarlington optocoupler		.223
113911	6N137	DIP-8	High-speed logic optocoupler		.50	.42	672157	1	DIP-6 DIP-6	Photodarlington optocoupler		.235 .268
42489	6N138	DIP-8	Low input curr., hi-gain split darlington		.62	.467	672149 320653		DIP-6	Photodarlington optocoupler		.268
113929	6N139	DIP-8	High-speed, high-gain darlington		.64	.479	671912		SOP-4	Single transistor photocoupler		.235
320389	CNY17-1⊕ CNY17-2⊕		High BVcco phototransistor		.225	.153	320661		DIP-8	Single transistor photocoupler		.418
320397 320400		DIP-6	High BVceo phototransistor High BVceo phototransistor		.191	.153	671921	PS2501L-2		Single transistor photocoupler		.47
320400	CNY17-3		High BVceo phototransistor		.221	.166	160338	-	DIP-16	Photo darlington & transistor/detector 1.0		.88
18825	H11AA1	DIP-6	Dual infrared diode, NPN phototransistor		.46	.345	671939		SOP-16	9		.89
320434	H11AA2	DIP-6	AC input phototransistor optocoupler		.286	.26	320688	PS2502-1	DIP-4	Darlington photocoupler		.353
320442		DIP-6	AC input phototransistor optocoupler		.274	.249	320696	PS2502-2	DIP-8	Darlington photocoupler 1.1	8 .96	.87
320573		DIP-6	Photodarlington optocoupler		.24	(.18)	160362	PS2502-4	DIP-16	Photo darlington & transistor/detector 1.7	5 1.61	1.39
320581	1	DIP-6	Photodarlington optocoupler		.224	.168	672034	PS2503-1	DIP-4	Diode, NPN phototransistor		.428
320602	H11B3⊕	DIP-6	Photodarlington optocoupler		.31	.233	672000	1	SOP-4	High speed switching photocoupler8	.64	.59
18833	H11C3⊕≎	DIP-6	Photo SCR optocoupler		.74	.61	672042		DIP-8	Diode, NPN phototransistor 1.2		.88
320493	H11D1⊕	DIP-6	High voltage phototransistor	57	.485	.364	672018	PS2503L-2		High speed switching photocoupler 1.2		.90
320514	H11D2⊕	DIP-6	High voltage phototransistor	44	.374	.281	672051		DIP-16	Diode, NPN phototransistor 2.1		1.60
320522	H11D3⊕	DIP-6	High voltage phototransistor \$.40		.233	.21	672026	•		High speed switching photocoupler 2.2		1.62
113996	H11F1	DIP-6	Isolated FET\$1.79		1.26	1.15	320709 671947	PS2505-1 PS2505L-1	DIP-4	High isolation voltage photocoupler3 High isolation voltage photocoupler3		.262 .277
320186		DIP-6	Photo FET optocouplers		1.49	(1.12)	320717	PS2505L-1		High isolation voltage photocoupler3		.69
320194	H11F3	DIP-6	Photo FET optocouplers		1.32	1.18	671955	PS2505L-2		High isolation voltage photocoupler1.0		.74
277747	H11G3⊕	DIP-6	High-voltage photodarlington		.57	.428	320725		DIP-16	High isolation voltage photocoupler 1.6		1.19
113988	H11L1	DIP-6	Schmitt trigger output photocoupler		.50	.49	671971			High isolation voltage photocoupler 1.6		1.19
320207 114083	H11L2	DIP-6 DIP-16	Photo FET optocouplers		.59 2.66	.48 1.99	320750	PS2506-1⊕		High isolation voltage photocoupler5		.462
320477	ISQ203 MCT2⊕	DIP-16	Quad channel NPN phototransistor Phototransistor optocoupler		.316	.24	320784	PS2532-1⊕	DIP-4	High collector to high emitter volt. photocoupler .5	9 .51	.38
24918	MCT6	DIP-8	Dual channel NPN phototransistor		.52	.47	320792	PS2532-2⊕		High collector to high emitter volt. photocoupler 1.0	.98	.90
672317		DIP-8	Dual channel NPN phototransistor		.324	.269	320805	PS2532-4⊕	DIP-16	High collector to high emitter volt. photocoupler 1.9		1.73
672325	MCT62	DIP-8	Dual channel NPN phototransistor		.315	.286	320821	PS2561-2		High isolation voltage photocoupler		.56
672333	MCT9001	DIP-8	Dual channel NPN phototransistor		.44	.333	320830	•		High isolation voltage photocoupler 2.2		1.60
672245	MOC205		Optocoupler phototransistor		.416	.233	671980	PS2561L-4	SOP-16	High isolation voltage photocoupler3	.351	.294
672253	MOC206		Optocoupler phototransistor		.299	.233		= 0		For more Faire		
672261	MOC207		Optocoupler phototransistor		.274	.227		🛎 Optois(olato	rs NEW Visit www	.Jameco.co	<u>m</u>
672270	MOC208	SOIC-8	Optocoupler phototransistor	39	.32	.278		i i			imum order	5 pieces
672288	MOC215	SOIC-8	Optocoupler phototransistor	48	.324	.278	Part No.	-:			1 5	50
672296	MOC216	SOIC-8	Optocoupler phototransistor		.299	.184	698912	•		Random-phase triac driver output opto		\$.32
672309	MOC217	SOIC-8	Optocoupler phototransistor	55	.423	.232	698921	MOC3011M		Random-phase triac driver output opto		.32
26278	MOC3010	DIP-6	Bilateral triac driver	56	.52	.345	698939			Random-phase triac driver output opto		.302
95020	MOC3011		Bilateral triac driver		.51	.388	698947			Zero-cross triac driver output opto5		.481
671859			Random phase triac driver		.35	.298	698955			Zero-cross triac driver output opto5		.481
277780	MOC3020		Random phase triac driver		.398	.31	698963			Zero-cross triac driver output opto5		.481
671867	MOC3020S		Random phase triac driver		.382	.224	698971			Zero-cross phototriac driver opto.		.317
95038	MOC3021	-	Bilateral triac driver		.45	.34	698998	INIOC3083INI	ุบเร-0	Zero-cross triac driver output opto	1 .79	.76
671875	•	•	Random phase triac driver		.382	.224	Slotte	ed Optica	I Swi	tches 4-pin w	ı/ tab 📕	4
671883	MOC3022S				.382	.224						<u> </u>
277819	MOC3023⊕		Random phase triac driver		.349	.294	Part No.	Cross Ref. P			1 10	100
671904	MOC3023S MOC3031		Random phase triac driver		.382	.291	114091		-pin w/ ta	• '		\$.56
26294 113953	MOC3031		Zero crossing triac driver Zero crossing triac driver		.50 .52	.45 .47	278011		-pin w/ ta			.58
277835	MOC3041	:	Zero crossing triac driver		.61	.47	320901	H21A3⊕ 4 H21B1⊕ 4	-pin w/ ta	b Photography optical switch		.47
		•	varehouse and may require up to 4 days to shi			\sim	278070 crue separate s				6 .70	.53
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		10113 (011	This product is available	o ii i bl	JULI IVOLIO	unu 11011-1	COLID ACI SIOLIS	, Add an IN DEIC	no part rit	inibor for Norto version. Details on page 1.		

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5mA

1mA

1mA

5V@5mA

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TOSHIBA Optocouplers

TLP621(GB,F,T) DIP-4

TLP621-4(F)♠ DIP-16

DIP-4

DIP-16

DIP-4

DIP-6

TLP624♠

TLP624-4**♠**

TLP626BV**◆**

TLP631GB**◆**

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5000**.50**

5000 **2.05 1.67**

5000**.92** .**70**

5000 2.19 1.77

5000**91** .**74**

500072

Optocouplers (Continued)

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Irans	sistor Output							VEW		Darlingto	on Transisto	or Outpo	ut					
	5			ans Ratio		Iso. Volt.							LED Trigger	Blocking	Isolation			
Part No	. Product No.	Package	Min. (%)	(VCE@IF)	Bkdwn Volt.	(V _{RMS})	1	10	100	Part No.	Product No.	Package	Curr. Max.	Voltage	Voltage	1_	10	100
832587	4N35SHORT♠	DIP-6	100	10V@10mA	A 30	2500	\$.47	\$.349	\$.265	765100	TLP127♠	SOIC-4	1000	300	2500	\$.81	\$.70	\$.55
833310	TLP124BV ♠	SOIC-4	200	5V@1mA	80	3750	88	.67	.51	834232	TLP627(F,T)♠	DIP-4	1000	300	5000	81	.68	.55
833707	TLP281-4(GB,F)	№ SOIC-16	100	5V@5mA	80	2500	1.69	1.37	1.21	834259	TLP627-2FT♠	DIP-8	1000	300	5000	1.40	1.18	.94
833862	,		50	5mA	55	5000	55	.437	.331	765257	TLP627-4F ◆	DIP-16	1000	300	5000	2.19	1.76	1.55
833897	TLP620(GB,F,T)4	DIP-4	100	5mA	55	5000	79	.61	.47						F		0	Tana
833951	TLP620-4 ♠	DIP-16	50	5mA	55	5000	2.25	1.82	1.60	LITER	MM Ont	ocou	nlers			e LiteOn (www.Jan		
833993	TLP621♠	DIP-4	50	5mA	55	5000	42	.409	.398	Book I Book?	ari opt	oodu	picis	NEW .				_
834021	TLP621(BL,F,T)4	DIP-4	200	5mA	55	5000	42	.363	.306	Photo Tr	ansistor Ou	tput			*	Minimum	ı order 5 j	pieces
834056	TLP621(F,T)♠	DIP4	50	5V@5mA	55	5000	50	.378	.297			•	Is	olation Cu	rr. Trans.			

.287

1.47

.53

1.73

.66

.49

High Speed Output

834072

765222

834128

834179

834195

834275

		(Output Curi	r. Typ. Data N	/lax. Supply	y Isolation			
Part No.	Product No.	Package	Min.	Rate (bits/s)	Voltage	Voltage	1	10	100
764941	6N137F ♠	DIP-8	13mA	10M	5V	2500	\$.63	\$.62	\$.60
765089	TLP115A♠	SOIC-6	13mA	10M	5V	2500	3.05	2.47	2.41
833791	TLP550♠	DIP-8	1.6mA	1M	15V	2500	1.35	1.08	.95
765126	TLP2200F♠	DIP-8	6.4mA	5M	20V	2500	2.19	2.12	2.06
833619	TLP2531(F)♠	DIP-8	3.04mA	1M	15V	2500	2.59	2.12	2.07
833643	TLP2601♠	DIP-8	13mA	10M	5.5V	2500	1.95	1.57	1.38
765169	TLP2630(F)♠	DIP-8	13mA	10M	5V	2500	2.19	1.76	1.73
833678	TLP2631F♠	DIP-8	13mA	10M	5V	2500	2.19	1.77	1.73

Thyristor Output

			LED Trigger	Blocking	Isolation			
Part No.	Product No.	Package	Curr. Max.	Voltage	Voltage	1	10	100
833387	TLP160J 	SOIC-4	10mA	600	2500	\$1.05	\$.88	\$.71
833408	TLP161J(U,C,F)♠	SOIC-4	10mA	600	2500	86	.73	.59
833731	TLP3062S♠	DIP-5	10mA	600	5000	75	.57	.51
765185	TLP525G(F)♠	DIP-4	10mA	400	2500	86	.73	.59
765206	TLP525G-2(F).	DIP-8	10mA	400	2500	1.45	1.18	1.04

		•		Isolation	Curr. Trans.			
Part No.	Product No.	Package	BV _{CEO}	Volt. (RMS)	Ratio (Min.)	1	5	50
790671	LTV-356T♠	Mini-flat 4	80	3750	50	*	\$.175	\$.147
790698	LTV-357T♠	Mini-flat 4	35	3750	50	*	.182	.147
878243	LTV-817 ♠	DIP-4	35	5000	50	*	.175	.139
790823	LTV817S-TA♠	SOIC-4	35	5000	50	*	.175	.139
790719	LTV-817S-TA1♠	SOIC-4	35	5000	50	*	.175	.139
878260	LTV-827 ♠	DIP-8	35	5000	50	*	.349	.276
790751	LTV-845 ♠	DIP-16	35	5000	600	62	.61	.59
790778	LTV-846S ♠	SOIC-16	80	5000	50	84	.71	.56
878286	LTV-847 ♠	DIP-16	35	5000	50	83	.73	.55
790794	LTV-847S ♠	SOIC-16	35	5000	50	84	.71	.56
878163	CNY17-3S♠	SOIC-6	70	5000	100	*	.20	.185
878180	CNV17F-3♠	DIP-6	70	5000	100	*	230	181

Photo Transistor Output/AC Input

Part No.	Product No.	Package	BVCEO		Ratio (Min.)	1	5	50
878227	LTV-814 ♠	DIP-4	35	5000	20	*	\$.243	\$.194
790735	LTV-824 ♠	DIP-8	35	5000	20	58	.485	.386

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			VDRIVI (V)	Isolation	Trigger			
Part No.	Product No.	Package	Min.	Volt. (RMS)	Curr. (mA)	1	5	50
878307	MOC3023 ♠	DIP-6	400	5000	±5	\$.52	\$.437	\$.348









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Standard-Output LEDs







* Minimum order 10 pieces

Standard-Output LEDs Fig. 1 Fig. 2 Fig. 3

	_																
	Dialight	C)	Other !	Manufac	turers	<u> </u>	reat	Deals	5	L	ITEON	N .				
			Emitting	Lens/Feature	LED	Diameter	Dime	nsions	Lead	Typical	Typical	Wavelength	Viewing		Prid	ing	
Part No.	Cross Ref. No.	Fig.	Color	Description	Size	inch/mm	A"	B"	Spacing	Vf	mcd	nm	Angle	1	10	100	1000
202471	MVL-301HR	1	Orange Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	*	\$.062	\$.05	\$.038
135597	LTL307E*	1	Orange Red	Red diffused	T1 3/ ₄	0.197/5	0.34	1.00	0.07	2.0	19	635	N/A	*	.12	.096	.072
693901	MCDL-5013GD₹	1	Green	Red diffused	T1 3/4	0.197/5	0.34	1.04	0.10	2.1	12.5	565	60	*	.08	.06	.05
320282	566-0306	2	Yellow	Yellow diffused rectangular	2 x 5mm	! -	0.28	0.11	0.10	2.1	3.5	583	N/A	.89	.76	.46	.345
320274	566-0206	2	Green	Green diffused rectangular	2 x 5mm	<u> </u>	0.28	0.11	0.10	2.2	4	565	N/A	.88	.74	.53	.399
320291	566-0406	2	Red	Red diffused rectangular	2 x 5mm	<u> </u>	0.28	0.11	0.10	2.0	7.4	635	N/A	.89	.76	.46	.345
658291	MSL-194DR ₹	3	Red	Water clear	SMD0603	<u> </u>	0.03	0.06	_	1.8	20	660	130	*	.09	.075	.065
658304	MSL-174DR ≉	3	Red	Water clear	SMD0805	<u> </u>	0.05	0.08	—	1.8	20	660	130	*	.09	.075	.065
658283	MSL-154G₹	3	Green	Water clear	SMD1206	<u> </u>	0.06	0.13	_	2.2	6.5	570	130	*	.12	.10	.09
658312	MSL-154DR ₹	3	Red	Water clear	SMD1206	<u> </u>	0.06	0.13	_	1.8	25	660	130	*	.12	.10	.09
658321	MSL-204DR	4	Red	Water clear	PLCC-2	i –	0.11	0.13	—	1.8	50	657	120	.49	.45	.41	.37
658339	MSL-204Y ₹	4	Yellow	Water clear	PLCC-2	¦ –	0.08	0.13	_	2.1	182	590	120	.39	.37	.33	.19
692537	MSL-204G ₹	4	Green	Water clear	PLCC-2	¦ –	0.11	0.13	—	2.1	15	570	120	.49	.45	.35	.29
658355	MSL-204MB	4	Blue	Water clear	PLCC-2	<u> </u>	0.11	0.13	—	3.5	120	468	120	1.09	.99	.89	.69
658347	MSL-204MW ₹	4	White	Water clear	PLCC-2	¦ —	0.08	0.13	—	3.5	400	_	120	1.09	.99	.89	.69

^{*10} pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 49

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.









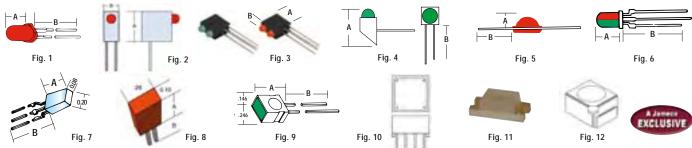


Fig. 6

	F. 4					11							•	Fig. 6	
	Fig. 1			Fig. 2	Fi	g. 3			Fig. 4			Fig. 5		Minimun	n order 5 pieces
			Emitting	Lens/Feature	LED	Diameter	Dime	nsions	Lead	Typical	Typical	WaveLength	Viewing	Prici	
Part No.	Cross Ref. No.	Fig.	Color			inch/mm	A"	В"	Spacing	Vf	mcd	nm	Angle	5	50
697514	LTL-293SJW ₹ ♠	1	Red/Yellow	Clear, bi-color	T1	0.119/3	0.18	1.0	0.1	2.0	15	635/585	_	\$.293	\$.233
697670	LTL-4251 ₹ ♠	1	Yellow	Diffused	T1	0.119/3	0.18	1.0	0.1	2.1	8.7	585	40	.087	.077
697688	LTL-4251N ₹ ♠	1	Yellow	Yellow diffused	T1	0.119/3	0.18	1.0	0.1	2.1	5.6	585	60	.087	.077
790145	LTL-1CHY ₹ ♠	1	Yellow	Yellow diffused	T1	0.122/3.1	0.205	1.0	0.1	2.1	8.7	588	60	.087	.078
790330	LTL-4256N ₹ ♠	1	Yellow	Water clear	T1	0.118/3	0.175	1.0	0.1	2.1	40	588	45	.087	.078
790129	LTL-1CHE ₹ ♠	1	Hi-eff Red	Red diffused	T1	0.119/3	0.205	1.0	0.1	2.0	12.6	623	60	.071	.057
697565	LTL-4211N ₹ ♠	1	Hi-eff Red		T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	.087	.077
697590	LTL-4221N ₹ ♠	1	Hi-eff Red	Red diffused	T1	0.119/3	0.18	1.0	0.1	2.0	8.7	635	60	.042	.041
790241	LTL-4221NLC ₹ ♠	1	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.0	0.1	1.8	1.8	635	45	.223	.206
790250	LTL-4222N ♠	1	Hi-eff Red	Red transparent	T1	0.118/3	0.175	1.0	0.1	2.0	29	635	45	.087	.078
697581	LTL-4221 ₹ ♠	1	Red			0.119/3	0.18	1.0	0.1	2.0	8.7	635	40	.087	.077
697629	LTL-4231 ₹ ♠	1	Green			0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	.071	.056
697637	LTL-4231N ₹ ♠	1	Green			0.119/3	0.18	1.0	0.1	2.1	12.6	565	60	.087	.077
790111	LTL-16KG ♠	1	Green		T1	0.119/3	0.205	1.0	0.1	2.1	12.6	565	_	.042	.041
790137	LTL-1CHG ₹ ♠	1	Green		T1	0.119/3	0.205	1.0	0.1	2.1	12.6	569	60	.071	.057
790284	LTL-4231N-1 ₹ ♠	1	Green		T1	0.118/3	0.175	1.0	0.1	2.1	5.6	565	60	.087	.078
790292	LTL-4231NLC ₹ ♠	1	Green		T1	0.118/3	0.175	1.0	0.1	1.9	1.1	565	60	.126	.118
790313	LTL-4236N ₹♠	1	Green			0.118/3	0.175	1.0	0.1	2.1	40	569	45	.087	.078
697645	LTL-4232N 🗷	1	Green	'		0.119/3	0.18	1.0	0.1	2.1	40	565	45	.087	.077
697549	LTL-307Y ₹ ♠	1	Yellow		T1 ¾	0.197/5	0.34	0.9	0.1	2.1	29	585	_	.071	.056
697696	LTL-4253 ₹ ♠	1	Yellow			0.197/5	0.34	0.9	0.1	2.1	19	585	36	.087	.077
697709	LTL-4254 \$	1	Yellow	l '		0.197/5	0.34	0.9	0.1	2.1	90	585	16	.087	.077
790102 697522	LTL-10253W ₹ ♠	1	Yellow Hi-eff Red	Yellow diffused Red diffused	T1 ¾	0.187/4.75 0.197/5	0.283	1.0 0.9	0.1 0.1	2.1	12.6 19	588 635	60 50	.071	.057
790081	LTL-10223W ₹ ♠	1	Hi-eff Red	Red diffused	T1 ¾	0.197/5	0.283	1.0	0.1	2.0		623	60	.071 .07	.057
790081	LTL-307ELC♠	1	Hi-eff Red	Red diffused	T1 ¾	0.167/4.75	0.263	1.0	0.1	1.8	60 3	635	50	.223	.206
790209	LTL-5223 ₹ ♠	1	Hi-eff Red			0.197/5	0.34	1.0	0.1	2.0	5.6	623	64	.087	.084
697602	LTL-4223 ₹ ♠	1	Red		T1 ¾	0.197/5	0.34	0.9	0.1	2.0	19	635	36	.087	.077
697611	LTL-4224 ₹ ♠	1	Red			0.197/5	0.34	0.9	0.1	2.0	90	635	16	.087	.077
790401	LTL2R3SEK ₹ ♠	1	Red	· ·		0.197/5 0.197/5	0.34	1.0	0.1	2.0	3700	639	30	.335	.27
790348	LTL-4263 ₹ ♠	1	Red			0.197/5	0.34	1.0	0.1	1.8	90	660	40	.184	.167
790225	LTL-307P ₹ ♠	1	Bright Red			0.197/5	0.34	1.0	0.1	2.1	1.1	697	50	.071	.057
697557	LTL-30EFJ ♠	1	Red/Green	Bi-color diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	5.6/19	697/565	30	.284	.223
697573	LTL-4213 ₹ ♠	1	Red			0.197/5	0.34	0.9	0.1	2.1	3.7	697	36	.071	.057
697531	LTL-307G ₹ ♠	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.9	0.1	2.1	19	565	50	.071	.055
697653	LTL-4233 ₹ ♠	1	Green		T1 ¾	0.197/5	0.34	0.9	0.1	2.1	19	565	36	.087	.077
697661	LTL-4234 ₹ ♠	1	Green		T1 ¾	0.197/5	0.34	0.9	0.1	2.1	60	565	16	.67	.058
790090	LTL-10233W ₹ ♠	1	Green	Green diffused	T1 ¾	0.187/4.75	0.28	1.0	0.1	2.1	40	569	60	.071	.057
790217	LTL-307GE ₹♠	1	Green	Green transparent	T1 ¾	0.197/5	0.34	1.0	0.1	2.1	60	569	40	.071	.05
790321	LTL-4238 ₹ ♠	1	Green	Water clear	T1 ¾	0.197/5	0.34	1.0	0.1	2.1	90	569	16	.087	.078
790381	LTL-553-11 ₹ ♠	2	Green	Green diffused (PCB mnt indicator)	T1 ¾	0.189/4.8	0.236	0.32	0.1	2.1	40	569	60	.12	.116
790399	LTL-709E ₹ ♠	3	Hi-eff Red	Red diffused (1.8mm Dot Point Lamp)	1.8mm	0.2/1.8	0.30	0.236	0.1	2.0	12.6	623	38	.134	.108
697717	LTL-523-11 ₹ ♠	2	Hi-eff Red	Red diffused (PCB mnt indicator)	_	0.189/4.8	0.13	0.35	0.1	2.0	60	635	60	.173	.157
697725	LTL-533-11 ₹ ♠	2	Green	Green diffused (PCB mnt indicator)	_	0.189/4.8	0.13	0.35	0.1	2.1	40	565	60	.173	.157
790364	LTL-433HR ₹ ♠	4	Hi-eff Red	Red diffused (rectangular)	-	2mmx5mm	0.295	1.0	0.1	2.0	1.7	635	140	.116	.098
790356	LTL-433G ₹ ♠	4	Green	Green diffused (rectangluar)	_	2mmx5mm	0.295	1.0	0.1	2.1	1.7	565	140	.116	.098
697813	LTST-C190YKT ₹♠	5	Yellow	Clear	SMD 0603	¦ –	0.03	0.06	_	2.1	6	585	130	.073	.058
697805	LTST-C190GKT ₹♠	5	Green	Water clear	SMD 0603		0.03	0.06	_	2.1	6	565	130	.073	.058
697792	LTST-C170YKT R♠	5	Yellow	Clear	SMD 0805		0.05	0.05	_	2.1	2	585	130	.091	.087
697784	LTST-C170KRKT ₹ ♠	5	Red	Water clear	SMD 0805		0.05	0.08	_	2.0	54	639	130	.125	.105
697768	LTST-C170GKT ₹♠	5	Green	Water clear	SMD 0805		0.05	0.08	_	2.1	6	565	130	.091	.071
697776	LTST-C170KGKT ₹♠	5	Green		SMD 0805		0.05	0.08	_	2.0	35	574	130	.125	.105
697848	LTST-S220GKT ₹♠	5	Green	Clear	SMD 0805		0.05	0.08	-	2.1	10	565	130	.107	.089
697733	LTST-C150CKT ₹♠	5	Red	Clear	SMD 1206		0.06	0.13	_	1.8	25	660	130	.093	.073
697750	LTST-C150KRKT ₹♠	5	Red	Water clear	SMD 1206	•	0.06	0.13	-	2.0	54	639	130	.122	.101
697741	LTST-C150GKT ₹♠	5	Green	Water clear	SMD 1206	•	0.06	0.13	_	2.1	6	565	130	.085	.067
697821	LTST-C930KGKT ₹♠	6	Green		1.8mm Dome	•	0.09	0.13	_	2.0	600	574	25	.155	.136
697830	LTST-C930KRKT ₹♠	6	Red	Water clear	1.8mm Dome	0.07/1.8	0.09	0.13	_	2.0	850	639	130	.151	.126

[♣] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.



Part No. Cross Ref. No. Fig. Color Description Size inch/mm A* B* Spacing Vf mcd nm A 333219 LY12340 € 1 Yellow Yellow diffused T1 0.119/3 0.13 0.98 0.10 1.7 6.5 585 334211 LA16BY € 2 Yellow Yellow diffused PCB mount indicators T1 0.119/3 0.29 0.18 0.10 1.7 12 585	Viewing Angle 112 50 36 55	1 10 * \$.08 6 .241	m order 1 icing 100 \$.063	10 pieces
Part No. Cross Ref. No. Fig. Color Less/Feature Description LED Size Inch/mm Diameter Dimesions Inch/mm Lead Ref. Spacing Typical V mcd N m Wavelength N mcd N m V mcd N m 333219 LY12340 ₹ 1 Yellow Yellow diffused T1 0.119/3 0.13 0.98 0.10 1.7 6.5 585 0.10 1.7 6.5 585 585 334211 LA16BY ₹ 2 Yellow Yellow diffused PCB mount indicators T1 0.119/3 0.29 0.18 0.10 1.7 12 585 0.10 1.7 12 585	Viewing Angle 112 50 36 55	Pr 1 10 * \$.08 6 .241	icing 100	
Part No. Cross Ref. No. Fig. Color Description Size inch/mm A* B* Spacing Vf mcd nm nm A 333219 LY12340 ₹ 1 Yellow Yellow diffused T1 0.119/3 0.13 0.98 0.10 1.7 6.5 585 1.7 6.5 585 585 334211 LA16BY ₹ 2 Yellow diffused PCB mount indicators T1 0.119/3 0.29 0.18 0.10 1.7 12 585 1.7 12 585	Angle 112 50 36 55	1 10 * \$.08 6 .241	100	1000
333219 LY12340₹ 1 Yellow Yellow diffused T1 0.119/3 0.13 0.98 0.10 1.7 6.5 585 334211 LA16BY₹ 2 Yellow diffused PCB mount indicators T1 0.119/3 0.29 0.18 0.10 1.7 12 585	112 50 .2 36 55	* \$.08 6 .241		1000
334211 LA16BY₹ 2 Yellow Yellow diffused PCB mount indicators T1 0.119/3 0.29 0.18 0.10 1.7 12 585	50 .2 36 55	6 .241		\$.06
	36 55		.124	.093
34657 LY2040₹* 1 Yellow Yellow diffused (XC209Y) T1 0.119/3 0.16 0.68 0.08 2.3 15 585	55	* .13	.11	.075
333885 UT6331-4 2 1 Yellow Yellow diffused T1 0.119/3 0.17 0.98 0.10 2.1 24 589		* .088	.069	.049
333294 LVY2643-1₹ 1 Yellow Water clear T1 0.119/3 0.13 0.98 0.10 1.7 350 595		1 .184	.147	(.11)
206480 LVY2041 ₹ 1 Yellow Yellow transparent T1 0.119/3 0.17 0.69 0.08 2.3 450 595		* .14	.12	.10
136282 LA44B/21₹ 3 Orange Red diffused (dual) T1 0.119/3 0.38 0.17 0.10 1.7 12 635		9 .36	.312	.234
333198 LE12340₹ 1 Hi-eff Red Orange diffused . T1 .0.119/3 .0.13 .0.98 .0.10 1.7 6.5 6.35		* .108	.092	.069
333171 HLMP-K155-JV₹ 1 Red Red clear . T1 .0.119/3 0.19 1.04 0.10 1.6 3.0 660		* .079	.078	.057
333851 UT6371-41-M1₹ 1 Red Red diffused T1 0.119/3 0.17 0.98 0.10 1.7 63 660		* .098	.064	.061
333251 LSR2643-1₹ 1 Red Water clear 11 0.119/3 0.13 0.98 0.10 1.5 120 660	40	* .167	.109	.082
333260 LHR2643-1₹ 1 Red Water clear 11 0.119/3 0.13 0.98 0.10 1.5 300 660	40 .2	4 .162	.129	.097
206498 LHR2041₹ 1 Red Red transparent 11 1 0.119/3 0.17 0.69 0.08 2.0 350 660	30	* .15	.12	.09
334203 LA16B/H ₹ 2 Red Red diffused PCB mount indicators 1 1 1 0.119/3 0.29 0.18 0.10 1.7 4.2 697	50	* .14	.11	.083
94529 LH2040₹* 1 Red Red diffused (XC209RB) 11 1 0.119/3 0.18 1.04 0.07 2.3 4.5 697	36 .2	1 .19	.15	.12
114673 LH2043₹* 1 Red Water clear (BR209)	30	1 .19	.152	(.114)
94553 LHG2062 R 1 Red/Green White diffused bi-color/bi-state T 1 0.119/3 0.18 1.06 0.08 2.3 3 & 15 697/565	36 .2	9 .25	.21	.16
333392 UT6341-41 ₹ 1 Orange Orange diffused T1 0.119/3 0.17 0.94 0.10 2.1 35 630	55 .2	2 .182	.084	.068
333833 LI12340₹ 1 Orange Red diffused T1 0.119/3 0.16 0.98 0.10 1.7 6.5 635	112	* .081	.066	.059
34606 LSG2040₹* 1 Green diffused (XC209G) T1 0.119/3 0.13 1.05 0.08 2.2 15 560	50	* .15	.11	.08
333201 LG12340₹ 1 Green Green diffused T1 0.119/3 0.13 0.98 0.10 1.7 9.6 565	112	* .08	.063	.06
334220 LA16B/G₹ 2 Green Green diffused PCB mount indicators 171 0.119/3 0.29 0.18 0.10 1.7 15 565	50 .:	2 .287	.146	.109
136274	50	3 .486	.398	.358
175679 LVG2041₹ 1 Green Green transparent 11 10.119/3 0.17 0.69 0.08 2.2 129 565	30	* .07	.06	.05
114681 LVG2043₹* 1 Green Water clear (BG209) 11 10.119/3 0.14 0.98 0.07 2.2 129 565	30	* .09	.07	.055
137411 LVB2040₹ 1 Blue Blue diffused T1 0.119/3 0.21 0.98 0.10 4.8 10 430	50 2.0	9 1.91	1.66	1.57
334457 LSBI26402 1 Blue Blue diffused T1 0.119/3 0.17 0.98 0.10 3.8 50 430	_ .a	3 .69	.66	.64
333383 UT63B1-41-M1A2₹ 1 Blue Blue diffused T1 0.119/3 0.17 0.98 0.10 3.8 50 466	54	5 .72	.68	.66
34825 LY3330₹* 1 Yellow Yellow diffused (XC556Y) T1 3/4 0.197/5 0.30 0.82 0.07 2.3 12 585	36 .2	.19	.15	.12
104264 LA93B/Y-122 4 Yellow Yellow diffused (XC410Y) T1 3/4 0.197/5 0.35 0.89 0.08 2.3 25 585	46 .:	6 .324	.259	.194
334406 LY9033₹ 5 Yellow Water clear T1 3/4 0.197/5 0.05 0.27 0.03 1.7 30 585	20 .2	.185	.176	.132
334108 UT1831-81-S ₹ 1 Yellow Yellow diffused T1 3/4 0.197/5 0.34 0.98 0.10 2.1 16.4 589	44	* .098	.064	.061
333965 UT1834-81-S ₹ 1 Yellow Yellow Clear T1 3/4 0.197/5 0.34 0.98 0.10 2.1 55.8 589	22	* .098	.069	.049
334385 UT1833-81-M181	10	* .11	.064	.048
333622	40 .2	.248	.223	.201
334377 UT1841R-81 ⊕ 1 Hi-eff Red Red diffused T1 ¾ 0.197/5 0.34 0.98 0.10 2.1 23.1 630	44	* .098	.064	.061
334060 UT1841R-81-S 🕀 1 Hi-eff Red Red diffused T1 3/4 0.197/5 0.34 0.94 0.10 2.1 23.1 630	44	* .108	.094	.07
333921 UT1844R-81-S 🕀 1 Hi-eff Red Red clear T1 3/4 0.197/5 0.34 0.98 0.10 2.1 78.8 630	22	* .098	.069	.049
334271 LA93B/IR 4 Hi-eff Red Red diffused PCB mount indicators T1 3/4 0.197/5 0.36 0.15 0.10 1.7 25 635	46 .:	.23	.165	.149
34711 LEG3362₹* 1 Red/Green White diffused bi-color/bi-state ¹ T1 ³ / ₄ 0.197/5 0.30 1.01 0.09 2.3 7.5 635/565	30 .:	3 .28	.22	.19
333973 UT1871-81-M1 Red Red Red diffused T1 3/4 0.197/5 0.34 0.98 0.10 1.7 75 660		* .098		.061
334115 UT1872-81-M1⊕ 1 Red White diffused T1 ³ / ₄ 0.197/5 0.34 1.00 0.10 1.7 75 660		* .146	.116	\sim
333462 LHR3330/HO/A 1 Red Red diffused		* .14	.132	.099
334035 UT1871-81-UR-P18⊕ 1 Red Red diffused T1 ³ / ₄ 0.197/5 0.34 0.94 0.10 1.9 250 660		* .098	.082	.078
333489 LUR3330/HO/A₹ 1 Red Red diffused T1 3/4 0.197/5 0.34 0.98 0.10 1.5 380 660		0 .18	.144	.108
94511		9 .17	.13	.10
104248 LA93B/H-1 2* 4 Red Red diffused (XC410R) T1 3/4 0.197/5 0.35 0.89 0.08 2.3 6.5 697		.23	.19	.17
34745 LH333372 1 Red Water clear (XC554R) T1 3/4 0.197/5 0.30 1.00 0.08 2.3 7.5 697		* .15	.11	.065
334174 LHI3360 6 Red/Orange Red diff. bi-color/solid state		.213	.128	.096
334182	30 .2	3 .222	.146	.104

^{*10} pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 49

¹ Reverse polarity to change color

Mounting Hardware listed on pages 46-49

R ROHS compliant product
⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

RoHS

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RoHS Compliant Product
RoHS Also Available



Color Code Legend

New Sale Lower\$ QtySave

ValuePro Standard-Output LEDs (Continued)

Quantity SAVE

EXCLUSIVE

See pg 43 for figures * Minimum order 10 pieces

			#	Emitting	Lens/Feature	LED	Diameter	Dimo	ncione	Lead	Typical	Typical	Wavelength	Viewing			n order 1	
1947 1947	Part No.	Cross Ref. No.		"		•		_			Typical Vf				1		100	1000
S13226 UT2462-24-051 R			Ť			:											\$.20	\$.14
133230 113530					_		•	l									.119	.104
133976 LI3330				_			:										.128	.076
133913 12331																	.079	.059
1476 1.63330 1.67 1.6				"	_		•										.058	.045
334267 LG13240			1	_	- '		!										.14	.10
133297 LG1333367 1 Helf Green Green diffused 11 1 0,1975 0.31 0.98 0.10 1.7 25 5.66 70 2 1.35 0.10 1.7 1.35 0.50 1.55 1.35		LG13740 ₹								0.10	1.7	20	565	68	*		.064	.061
194266 LA93(N-1 FF	333227	LG13530₹	1	Hi-eff Green			0.197/5	0.34	0.98	0.10	1.7	25	565	70	*	.16	.128	.072
333954 LG3333786 1 Green Green transparent 11 1	l	LA93B/G-1 2 *	4	Green				l		0.08	2.3	30	565	46	.26		.19	.17
333349 UT1821-81-S♥ 1 Green Water clear 11-V ₄ 0.1975 0.34 0.98 0.10 1.7 220 5.55 30 ** 1.68 1.333493 UT1821-81-S♥ 1 Green Green diffused 11-V ₄ 0.1975 0.34 0.98 0.10 2.1 2.0 5.72 44 ** .098 1.33394 UT1821-81-S♥ 1 Green Water clear 11-V ₄ 0.1975 0.34 0.98 0.10 2.1 2.0 5.72 44 ** .098 1.33394 UT1823-81-S₱ 1 Blue Blue diffused 11-V ₄ 0.1975 0.34 0.98 0.10 2.1 2.0 5.72 44 ** .098 1.33394 UT1823-81-S₱ 1 Blue Blue diffused 11-V ₄ 0.1975 0.34 0.98 0.10 2.1 6.81 572 22 ** 6.86 7.75 1.58 1.29 1.34322 LT1883-81 UT 0 1 Blue Water clear (383UBC) 11-V ₄ 0.1975 0.34 0.98 0.10 3.8 500 4.8 10 430 3.5 ** 6.75 1.58 1.29 1.34322 LT1883-81 UT0 0 1 Green (383UBC) 11-V ₄ 0.1975 0.34 0.09 0.10 3.8 500 4.8 20 1.99 1.02 1.8 1.33103 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 2.1 2.0 5.85 120 5.51 4.19 3.35101 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 2.1 2.0 5.85 120 5.51 4.19 3.35102 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 2.1 2.0 5.85 120 5.51 4.19 3.35102 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 2.1 2.0 5.85 120 5.51 4.19 3.35102 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 2.1 2.0 6.35 120 5.51 4.19 3.35102 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 2.1 2.0 6.35 120 5.51 4.19 3.35102 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 1.8 3.00 6.60 120 5.7 4.69 3.351097 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 1.8 3.00 6.60 120 5.7 4.69 3.351097 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 1.8 3.00 6.60 120 5.7 4.69 3.351097 MCDL-5170-17€ 1 Valor Vellow diffused blinking 11-V ₄ 0.1975 0.34 1.00 0.10 1.8 3.00 6.60 120 5.7 4.69 3.3710-10 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.	11359	LG3333 ₹ *	1	Green	Water clear (BG5704)		0.197/5	0.30	1.04	0.07	2.3	100	565	20	*	.15	.128	.096
333349 UT323-81-5	333956	LG3331₹	1	Green	Green transparent	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	150	565	20	*	.098	.064	.061
33396 UT182-811-8	333534	LVG3333/S46₽	1	Green		•	0.197/5	0.34	0.98	0.10	1.7	220	565	30	*	.168	.134	.10
138691 LYB3330 LYB3330 LYB3330 Blue Water clear 11 V ₁ 0.1975 0.34 0.98 0.08 3.8 160 430 35 47.5 1.58 1.5	334393	UT1821-81-S⊕	1	Green	Green diffused	T1 3/ ₄	0.197/5	0.35	1.00	0.10	2.1	20	572	44	*	.098	.064	.061
137613 LSB13338	333949	UT1824-81-S ₹	1	Green	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	2.1	68.1	572	22	*	.108	.069	.049
134332 LT1883-81UR⊕ 1 Blue Water clear (383UBC) 171 ¼ 0,197/5 0,30 0,30 0,10 0,38 350 428 20 1.99 1.92 1.8 351038 MCDL-ST70F₹ 1 Vellow furthead blinking 171 ¼ 0,197/5 0,34 1.00 0,10 2.1 20 585 120 5.51 4.19 3.3 35104 MCDL-ST70F₹ 1 Amber diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 2.1 20 585 120 5.51 4.19 3.3 35101 MCDL-ST70F₹ 1 Amber diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 2.1 20 585 120 5.51 4.19 3.3 35102 MCDL-ST20F₹ 1 Orange Orange diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.0 2.1 20 635 120 5.51 4.19 3.3 35102 MCDL-ST20F₹ 1 Super Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.0 2.1 20 635 120 5.51 4.19 3.3 35102 MCDL-ST20F₹ 1 Super Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 200 660 120 5.57 4.69 3.3 35107 MCDL-ST20F₹ 1 Super Red Water clear blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 200 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 30 5.57 5.513 4.49 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 Red Red diffused blinking 171 ¼ 0,197/5 0,34 1.00 0,10 1.8 300 660 120 5.57 4.69 3.3 35103 MCDL-ST20F₹ 1 R	138691	LVB3330₹	1	Blue	Blue diffused	T1 3/ ₄	0.197/5	0.34	0.98	0.10	4.8	10	430	36 ^{-\$}	1.75	1.58	1.26	1.05
351038 MCDL-517CDF₹ 1 1 Vellow Vellow diffused blinking T1 V₂ 0.197/5 0.34 1.00 0.10 2.0 15 5.65 120 5.51 4.19 3.3 31046 MCDL-517DF₹ 1 1 Vellow Vellow diffused blinking T1 V₂ 0.197/5 0.34 1.00 0.10 2.1 20 685 120 5.51 4.19 3.3 31011 MCDL-517DFF₹ 1 1 Hielf Red June Park Park Park Park Park Park Park Park	137613	LSBI3333₹	1	Blue	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.08	3.8	160	430	15	1.95	1.85	1.50	1.15
351046 MCDL-517PDF	134332	LT18B3-81UR ⊕	1	Blue	Water clear (383UBC)	T1 3/ ₄	0.197/5	0.30	0.93	0.10	3.8	350	428	20	1.99	1.92	1.84	1.44
351054 MCDL-517AD-F Red I Amber Amber diffused blinking T1 1/4 0.197/5 0.34 1.00 0.10 2.1 2.0 5.85 1.20 5.1 4.19 3.3 351011 MCDL-517ED-F T I Hi-eff Red Red diffused blinking T1 1/4 0.197/5 0.34 1.00 0.10 2.1 2.0 6.35 1.20 5.1 4.19 3.3 351062 MCDL-517SRD-F T Super Red Red diffused blinking T1 1/4 0.197/5 0.34 1.00 0.10 1.8 2.00 6.60 1.20 5.7 4.69 3.3 351071 MCDL-517LPL-F T Super Red Red diffused blinking T1 1/4 0.197/5 0.34 1.00 0.10 1.8 3.00 6.60 1.20 5.7 4.69 3.3 351073 MCDL-517LPL-F T Red Red diffused blinking T1 1/4 0.197/5 0.34 1.00 0.10 1.8 3.00 6.60 3.0 5.7 5.13 4.7 3.49 3.3 351003 MCDL-517LPL-F T Red Red diffused blinking T1 1/4 0.197/5 0.34 1.00 0.10 1.8 3.00 6.60 3.0 5.7 5.13 4.7 3.49 3.3 3.5 3.3	351038	MCDL-517GD-F₹	1	Green	Green diffused blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	2.0	15	565	120	.51	.419	.317	.238
351011 MCDL-517ED-F	351046	MCDL-517YD-F₹	1	Yellow	Yellow diffused blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.332	.249
351020 MCDL-517RD-EF	351054	MCDL-517AD-F ₹	1	Amber	Amber diffused blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.332	.249
351062 MCDL-517SRD-F	351011	MCDL-517ED-F₹	1	Hi-eff Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	20	635	120	.51	.419	.354	.265
351071 MCDL-517kD+₹ 1 Super Red Red diffused blinking T1 ¾ 0.197/5 0.34 1.00 0.10 1.8 300 660 120 .57 .469 3.3 351097 MCDL-517kD+₹ 1 Super Red Red diff blinking (X5410) T1 ¾ 0.197/5 0.34 1.00 0.10 1.8 300 660 30 .57 .513 4.4 3.3 34590 LFH3360₹ 1 Red Red diffused blinking (X5410) T1 ¾ 0.197/5 0.34 1.00 0.10 2.1 5.0 700 120 .52 4.9 .44 .48 .39 .48 .	351020	MCDL-517ED-EF₹	1	Orange	Orange diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	635	120	.51	.419	.354	.265
351097 MCDL517HCLU14FR 1 Super Red Water clear blinking T1 3/4 0.197/5 0.34 1.00 0.10 1.8 300 660 30 .57 .513 4.4 34690 LFH3360 T	351062	MCDL-517SRD-F₹	1	Super Red	Red diffused blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	1.8	200	660	120	.57	.469	.371	.278
34690 LFH3360 R	351071	MCDL-517LRD-F₹	1	Super Red	Red diffused blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	1.8	300	660	120	.57	.469	.375	.281
351003 MCDL-517HD-F	351097	MCDL-517URC-U14-F	1	Super Red	Water clear blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	1.8	300	660	30	.57	.513	.41	.308
19634 LHR3930	34690	LFH3360 ₹ *	1	Red	Red diff. blinking (XC5410) †	T1 3/ ₄	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.35
188683 LHR3630	351003	MCDL-517HD-F ₹	1	Bright Red	Red diffused blinking	T1 3/ ₄	0.197/5	0.34	1.00	0.10	2.1	5.0	700	120	.52	.49	.44	.33
98984 LVG3630	119634	LHR3930₹	1	Red	Red diffused Jumbo (LT9952L)	T2 ¹ / ₂	0.315/8	0.44	0.84	0.07	2.0	100	660	44	.23	.20	.15	.113
379647 MCDL-833YD	138683		1	Red	Red diffused XJumbo (XC10R)	T3 ¹ / ₄	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.45	.405	.32	.24
379639 MCDL-833ED₹ 1 Hi-eff Red Red diffused T3 1/4 0.393/10 0.47 1.00 0.10 2.0 25 6.35 60 6.66 5.8 44 379663 MCDL-833GD₹ 1 Super Red Red diffused T3 1/4 0.393/10 0.47 1.00 0.10 1.8 200 660 60 7.6 6.8 5.8 379604 MCDL-833GD₹ 1 Green Green diffused T3 1/4 0.393/10 0.47 1.00 0.10 2.2 20 570 60 6.6 5.9 4.1 104889 LEG5292⊕ 7 Orange/Green White diffused rectangular 2 x 5	98984	LVG3630 🗷	1	Green	Green diffused XJumbo (XC10G)	T3 ¹ / ₄	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.27	.26	.19	.13
379663 MCDL-833SRD	379647	MCDL-833YD ₹	1	Yellow	Yellow diffused	T3 ¹ / ₄	0.393/10	0.47	1.00	0.10	2.1	25	590	60	.66	.59	.475	.356
379604 MCDL-833GD	379639	MCDL-833ED₹	1		Red diffused	T3 ¹ / ₄	0.393/10	0.47	1.00	0.10	2.0	25	635	60	.66	.58	.48	.358
104889 LEG5292 ⊕ 7 Orange/Green White diff. bi-color rectangular 2 x 5 — 0.27 1.02 0.08 2.3 6/6 695/565 116 2.3 2.15 .18 33376 UT7231-81 ⊕ 8 Yellow Yellow diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 5.0 585 70 2.9 2.41 1.3 333761 UT7241-81 ⊕ 8 Hi-eff Red Orange diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 ** .097 .00 333770 UT7241R-81 ⊕ 8 Hi-eff Red Red diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 ** .154 .11 33378 UT7221-81 ⊕ 8 Green Green diffused rectangular 2.2 x 7.1 — 0.29 0.94 0.10 2.1 6.1 567 70	379663												660	60	.76	.68	.547	.41
33376 UT7231-81 ⊕ 8 Yellow Yellow diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 5.0 585 70 29 241 .1333761 UT7241-81 ⊕ 8 Hi-eff Red Orange diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 ★ .097 .00 333770 UT7241R-81 ⊕ 8 Hi-eff Red Red diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 ★ .154 .13 33788 UT7222-81 ⊕ 8 Green White diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 ★ .154 .13 333702 UT7321-81 ⊕ 9 Green Green diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 6.1 567 70 2.4 2.09 .14 333711 UT7331-81 ⊕ 9 Yellow Yellow diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 7.2 585 60 2.9 2.43 .18 333795 UT5221-81 ⊕ 8 Green Green diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 10.1 635 60 2.3 2.07 .14 333753 UT5231-81 ⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 ★ .092 0.0 333737 UT521R-81 ⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 ★ .106 0.0 333737 UT521R-81 ⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.8 635 N/A .92 80 64 334668 UB3531-11 NYAK ⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 80 64 33466 UB3521-11 NGAK ⊕ 10 Green 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 80 64 33426 LG-150Y-DT ₹ 11 Yellow Water clear SMD1206 — 0.06 0.13 — 1.7 5 585 150 ★ .135 0.0 434297 LG-150Y-CT ₹ 11 Yellow Water clear						1 '	0.393/10										.475	.356
333761 UT7241-81⊕ 8 Hi-eff Red Orange diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 * .097 .00 333770 UT7241R-81⊕ 8 Hi-eff Red Red diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 * .154 .11 333788 UT7222-81⊕ 8 Green White diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 6.1 567 70 .24 .209 .14 333702 UT7321-81⊕ 9 Green Green diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 8.8 567 60 .33 .31 .22 333711 UT7331-81⊕ 9 Yellow Yellow diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 7.2 585 60 .29 .243 .18 333690 UT7341R-81⊕ 9 Orange Red diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 10.1 635 60 .29 .243 .18 333745 UT5221-81⊕ 8 Green Green diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 * .092 .00 333753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 * .106 .00 333737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 * .106 .00 333737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.8 635 N/A .92 .80 .64 334668 UB3531-11 NYAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .64 334676 UB3521-11 NGAK⊕ 10 Green 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 6.8 567 N/A .95 .80 .64 33426 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 * .135 .06 334297 LG-150Y-CT ₹ 11 Yellow Water clear	104889	_		Orange/Green		2 x 5	-			0.08			695/565				.183	.137
333770 UT7241R-81⊕ 8 Hi-eff Red Green White diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 7.2 635 70 * 1.54 .13 33788 UT7222-81⊕ 8 Green White diffused rectangular 2.3 x 7.1 — 0.29 0.94 0.10 2.1 6.1 567 70 .24 .209 .14 333702 UT7321-81⊕ 9 Green Green diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 8.8 567 60 .33 .31 .22 333711 UT7331-81⊕ 9 Yellow Yellow diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 7.2 585 60 .29 .243 .18 333690 UT7341R-81⊕ 9 Orange Red diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 10.1 635 60 .23 .207 .14 333745 UT5221-81⊕ 8 Green Green diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 * 0.92 .03 33753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 * 106 .05 333737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 8.3 630 82 * 135 .06 334668 UB3531-11 NYAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .64 334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 * 135 .06 334297 LG-150Y-CT ₹ 11 Yellow Water clear							<u> </u>										.136	.102
33788 UT7222-81⊕ 8 Green White diffused rectangular 2.3 x 7.1 − 0.29 0.94 0.10 2.1 6.1 567 70 2.4 2.209 1.4 333702 UT7321-81⊕ 9 Green Green diffused rectangular 3.2 x 6.2 − 0.28 0.80 0.10 2.1 8.8 567 60 3.3 3.1 2.2 3.3711 UT7331-81⊕ 9 Yellow Yellow diffused rectangular 3.2 x 6.2 − 0.28 0.80 0.10 2.1 7.2 585 60 2.9 2.43 1.8 33690 UT7341R-81⊕ 9 Orange Red diffused rectangular 3.2 x 6.2 − 0.28 0.80 0.10 2.1 10.1 635 60 2.9 2.43 1.8 33745 UT5221-81⊕ 8 Green Green diffused rectangular 5.2 x 7.8 − 0.30 1.03 0.10 2.1 7.1 572 82 ★ .092 .00 333753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 − 0.30 1.03 0.10 2.1 5.9 589 82 ★ .106 .00 333737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 − 0.30 1.03 0.10 2.1 8.3 630 82 ★ .135 .00 334650 UB3541R-11 NRAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 − 0.10 2.1 5.5 585 N/A 9.9 8.0 6.6 334668 UB3531-11 NYAK⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 − 0.10 2.1 5.5 585 N/A 9.5 80 6.6 334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 − 0.06 0.13 − 1.7 5 585 150 ★ .135 .00 334297 LG-150Y-CT ₹ 11 Yellow Water clear					"		i –										.078	.059
33702 UT7321-81⊕ 9 Green Green diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 8.8 567 60 .33 .31 .22 .33711 UT7331-81⊕ 9 Yellow Yellow diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 7.2 585 60 .29 .243 .11 .333690 UT7341R-81⊕ 9 Orange Red diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 10.1 635 60 .23 .207 .14 .333745 UT5221-81⊕ 8 Green Green diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 * .092 .00 .333753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 * .106 .00 .3337377 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 * .106 .00 .3337373 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 8.3 630 82 * .135 .00 .334650 UB3531-11 NYAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 7.8 635 N/A .92 .80 .66 .334668 UB3531-11 NYAK⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .66 .334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 * .135 .00 .334297 LG-150Y-CT ₹ 11 Yellow Water clear SMD1206 — 0.07 0.13 — 1.7 6.0 588 150 * .127 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0							i	l									.131	.098
333711 UT7331-81⊕ 9 Yellow Yellow diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 7.2 585 60 .29 .243 .11 333690 UT7341R-81⊕ 9 Orange Red diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 10.1 635 60 .23 .207 .14 333745 UT5221-81⊕ 8 Green Green diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 ★ .092 .00 333753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 ★ .106 .00 333737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 8.3 630 82 ★ .135 .00 334650 UB3541R-11 NRAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 7.8 635 N/A .92 .80 .64 334668 UB3531-11 NYAK⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .64 334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 ★ .135 .00 334297 LG-150Y-CT ₹ 11 Yellow Water clear							_										.149	.111
333690 UT7341R-81 ⊕ 9 Orange Red diffused rectangular 3.2 x 6.2 — 0.28 0.80 0.10 2.1 10.1 635 60 .23 .207 .14 333745 UT5221-81 ⊕ 8 Green Green diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 ** .092 .00 333753 UT5231-81 ⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 ** .106 .00 333737 UT521R-81 ⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 8.3 630 82 ** .135 .00 334650 UB3541R-11 NRAK ⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 7.8 635 N/A .92 .80 .64 334668 UB3531-11 NYAK ⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .64 334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 ** .135 .00 334297 LG-150Y-CT ₹ 11 Yellow Water clear SMD1206 — 0.07 0.13 — 1.7 6.0 588 150 ** .127 .00 € .0						:	_										.25	.186
333745 UT5221-81⊕ 8 Green Green diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 7.1 572 82 ** .092 .00 333753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 5.9 589 82 ** .106 .00 333737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 8.3 630 82 ** .135 .00 334650 UB3541R-11 NRAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 7.8 635 N/A .92 .80 .66 334668 UB3531-11 NYAK⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .66 334676 UB3521-11 NGAK⊕ 10 Green 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 6.8 567 N/A .95 .80 .66 334326 LG-150Y-DT 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 ** .135 .00 334297 LG-150Y-CT 11 Yellow Water clear SMD1206 — 0.07 0.13 — 1.7 6.0 588 150 ** .127 .00		I 1 1 1 1 _]		_										.184	.138
333753 UT5231-81⊕ 8 Yellow Yellow diffused rectangular 5.2 x 7.8 − 0.30 1.03 0.10 2.1 5.9 589 82 * .106 .03 0.33737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 − 0.30 1.03 0.10 2.1 5.9 589 82 * .135 .00 0.334650 UB3541R-11 NRAK⊕ 10 Orange 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 − 0.10 2.1 7.8 635 N/A .92 .80 .66 0.334668 UB3531-11 NYAK⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 − 0.10 2.1 5.5 585 N/A .95 .80 .66 0.334676 UB3521-11 NGAK⊕ 10 Green 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 − 0.10 2.1 6.8 567 N/A .95 .80 .66 0.334326 LG-150Y-DT 11 Yellow White diffused SMD1206 − 0.06 0.13 − 1.7 5 585 150 * .135 .00 0.334297 LG-150Y-CT 11 Yellow Water clear SMD1206 − 0.07 0.13 − 1.7 6.0 588 150 * .127 .00 0.10 0.10 0.10 0.10 0.10 0.10 0.10		_		"	9		_										.146	.105
33737 UT521R-81⊕ 8 Hi-eff Red Red diffused rectangular 5.2 x 7.8 — 0.30 1.03 0.10 2.1 8.3 630 82 ** .135 .06 .06 .07							-						-				.073	.055
334650 UB3541R-11 NRAK⊕ 10 Orange 0.35" lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 7.8 635 N/A .92 80 .64 334668 UB3531-11 NYAK⊕ 10 Yellow 0.35" lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 5.5 585 N/A .95 .80 .64 334676 UB3521-11 NGAK⊕ 10 Green 0.35" lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 6.8 567 N/A .95 .80 .64 334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 * 1.35 .04 334297 LG-150Y-CT ₹ 11 Yellow Water clear SMD1206 — 0.07 0.13 — 1.7 6.0 588 150 * 1.27 .04							<u> </u>	l									.072	.054
334668 UB3531-11 NYAK⊕ 10 Yellow 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20							-		1.03								.092	.069
334676 UB3521-11 NGAK ⊕ 10 Green 0.35* lightbar 8.9 x 8.9 0.35/8.9 0.20 — 0.10 2.1 6.8 567 N/A .95 .80 .64 .80 .95				"	"				_									.483
334326 LG-150Y-DT ₹ 11 Yellow White diffused SMD1206 — 0.06 0.13 — 1.7 5 585 150 * .135 .06 334297 LG-150Y-CT ₹ 11 Yellow Water clear SMD1206 — 0.07 0.13 — 1.7 6.0 588 150 * .127 .06							-											.483
334297 LG-150Y-CT					_	-	•		0.12	0.10								.483
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122/210 I C 1505 DT 52 11 Ui off Dod White diffused CMD1204						-	-											\sim
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Lowest Price

See pg 43 for figures *10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 49

Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

[†] Volt. shown is operating volt. range; no current limiting resistor required.

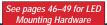
RoHS compliant product 🔀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. 🔝 Details on pag

1 Reverse polarity to change color



Medium-Output LEDs

ValuePro



Call for OEM PRICING – we carry major manufacturers.

⊢A ⊢ B ⊢

Fig. 1



Quantity SAVE

* Minimum order 10 pieces

			Emitting	Lens/Feature	LED	Diameter	Dime	nsions	Lead	Typical	Typical	Wavelength	Viewina		Pric	ing	
Part No.	Cross Ref. No.	Fig.	Color	Description	Size	inch/mm	Α"	В"	Spacing	Vf	mcd	nm	Angle	1	10	100	1000
333374	LURF2643-1 ₹	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	630	40	\$.20	\$.18	\$.173	\$.13
333340	LHE2643 ₹	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	.25	.225	.18	.135
333358	LUE2643 ₹	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	620	40	.24	.23	.21	.158
334749	UT63B3-41-UR33 ₹	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	1.26	1.21	.92	.66
334764	CMD204UWC-JV ₹	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	2.35	2.29	1.71	1.54
206501	LVY3331 2	1	Yellow	Yellow transparent	T1 3/ ₄	0.197/5	0.24	1.07	0.07	2.2	700	595	20	.21	.19	.15	.12
206519	LHR3331 ₹	1	Red	Red transparent	T1 3/ ₄	0.197/5	0.24	1.07	0.07	2.0	660	550	20	.21	.19	.15	.12
334490	LHRF3333/S46/A₹	1	Red	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.5	700	630	30	*	.142	.108	.081
333420	LSR3331 ₹	1	Red	Red transparent	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.5	550	660	20	*	.135	.092	.069
152864	BVU-501RD4 ⊕	1	Red Super Bright	Water clear	T1 3/ ₄	0.197/5	0.34	0.89	0.10	1.9	600	660	20	.29	.24	.19	.15
333497	LSR13233 ₹	1	Red	Water clear	T1 3/ ₄	0.197/5	0.35	0.98	0.10	1.5	720	660	18	.20	.18	.144	.108
333631	LUE13733₹	1	Orange	Water clear	T1 ³ / ₄	0.197/5	0.34	0.98	0.10	1.7	700	620	25	.24	.216	.194	.175
153154	LVG3333 ₹	1	Green	Water clear (HLMP-8509)	T1 3/ ₄	0.197/5	0.36	0.90	0.10	2.3	500	565	20	*	.079	.063	.047
333551	LVG13233₹	1	Green	Water clear	T1 3/ ₄	0.197/5	0.35	0.98	0.10	1.7	600	565	18	.20	.186	.15	.138
333542	LVG3833 ₹	1	Green	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	550	565	12	*	.16	.149	.138
334465	LDBK3331/H0 ≈	1	Blue	Blue transparent	T1 3/ ₄	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.46	1.29	1.07
334756	UT5KW3-AA-UAE3-TO1 ⊕	2	White	Water clear	SMD1206	! –	0.08	0.14	_	3.2	550	_	120	2.09	1.97	1.79	(1.34)

JAMECO High-Output LEDs

ValuePro • Typical DC forward current 20mA

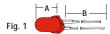


Fig 2



Lower \$\$\$

			Emitting	Lens/Feature	LED	Diameter	Dime	nsions	Lead	Typical	Typical	Wavelength	Viewing		Pric	ing	
Part No.	Cross Ref. No.	Fig.	Color	Description	Size	inch/mm	A"	B"	Spacing	Vf	mcd	nm	Angle	1	10	100	1000
217525	MCDPW-3004C ₹	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	_	30	\$2.99	\$2.85	\$2.69	\$2.55
333577	LUYS3333₹	1	Yellow		T1 ³/₄	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	.26	.211	.191	.154
197675	BVT-5E1TT4E ⊕	1	Yellow	Water clear	T1 3/ ₄	0.197/5	0.30	1.08	0.08	2.3	2800	592	15	.31	.29	.275	.262
333614	LUY3833H ₹	1	Yellow	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.31	.261	.239	.215
333569	LUY3333/A ₹	1	Yellow	Water clear	T1 3/ ₄	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.29	.267	.202	.129
333593	LHY3833 ₹	1	Yellow	Water clear	T1 3/ ₄	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.29	.261	.222	.167
333606	MV8315-JV ₹	1	Yellow	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	2700	595	12	.30	.264	.211	.158
197617	BVU-5E1QH4E ₹	1	Red	Water clear	T1 3/ ₄	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	.39	.35	.29	.25
334423	UT9C13-86-UDC2 ₹	1	Red	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.23	.21	.173	.12
334481	UT1813-86-UC9T-P27 ↔	1	Ultra Red	Water clear	T1 3/ ₄	0.197/5	0.34	0.94	0.10	2.2	3500	642	15	.30	.266	.239	.229
152864	BVU-501RD4 ↔	1	Red Super Bright	Water clear	T1 3/ ₄	0.197/5	0.34	0.89	0.10	1.9	1000	660	20	.29	.24	.19	.15
333438	UT1873-81-UR ⊕	1	Red	Water clear	T1 ³ / ₄	0.197/5	0.34	0.94	0.10	1.9	1000	660	10	.22	.21	.19	.142
333447	UT1873-81-UR-P22 ₹	1	Red	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.9	1200	660	25	.21	.19	.125	.105
333518	LUR13233 ₹	1	Red	Water clear	T1 ³ / ₄	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	.21	.19	.153	.115
333526	LUR3833 ₹	1	Red	Water clear	T1 ³ / ₄	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	.22	.17	.123	.113
333500	LHR3833/A ₹	1	Red	Water clear	T1 3/ ₄	0.197/5	0.35	0.98	0.10	1.5	1500	660	12	.25	.214	.136	.102
333665	LEF3833 ₹	1	Orange	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	1700	620	12	.25	.205	.175	.172
333649	LHE33333 ₹	1	Orange	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	1800	620	20	.30	.232	.177	.132
333657	LUE3333 ₹	1	Orange	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	3400	620	20	\$.29.26	.234	.187	.144
333673	LUE3833 ₹	1	Orange	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	1.7	5000	620	12	.33	.266	.202	.159
131895	TLSH180P⊕	1	Orange	Water clear	T1 3/ ₄	0.197/5	0.39	0.80	0.10	2.1	10000	623	8	2.49	2.19	1.95	1.79
197683	BVT-5E1QT4ER ⊕	1	Orange Red	Water clear	T1 3/ ₄	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.69	.59	.49	.39
334473	LDGL3333/H0 ₹	1	Green	Water clear	T1 ³ / ₄	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.79	1.45	1.29	1.05
183214	MCDPG-503PC1 ₹	1	Green	Water clear	T1 ³ / ₄	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222	MCDL-513SBC4 ₹	1	Blue	Water clear	T1 ³ / ₄	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502	LWK3333 ₹	1	White	Water clear	T1 3/ ₄	0.197/5	0.34	0.98	0.10	3.5	5000	_	16	1.99	1.65	1.35	1.05
334773	UT18W3-86-UAF1-P22 🗶	1	White	Water clear	T1 ³ / ₄	0.197/5	0.34	1.00	0.10	3.6	2900	475		351.95	1.75	1.58	1.42
183231	BVU-5C14WK4-B⊕	1	White	Water clear	T1 3/ ₄	0.197/5	0.30	1.06	0.08	3.5	3000	_	10 - \$2	55 2.29	2.04	1.84	1.66
142894	BVU-5E1WK4-B ₹	1	White	Water clear	T1 3/ ₄	0.197/5	0.34	0.79	0.08	3.5	3700	_	15	3.75	3.41	2.90	2.49
320531	MCDL-5013UWC ₹	1	White	Water clear	T1 ³ / ₄	0.197/5	0.30	1.00	0.10	3.8	5000	_	15	1.39	1.09	.80	.72
197641	BVT-529TT3E ⊕	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	7800	592	70	.76	.68	.61	.54
404582	MCDL-1860UWC-15C	3	Ultra White	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	3500	_	75	2.25	2.03	1.82	1.35
664341	MCDL-1870UWC-15C ₹	3	White	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	6500	_	40	2.25	2.03	1.82	1.35
664405	MCDL-1860UEC-TL₹	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.26	1.13	.85
664413	MCDL-1870UEC-TL ₹	3	Hi-Eff Red	Water clear (7.62mm sq.)			0.30	0.30	0.20	2.0	4200	625	40	1.39	1.26	1.13	.85
664384	MCDL-1860UYC-TL ₹	3	Amber	Water clear (7.62mm sq.)			0.30	0.30	0.20	2.0	3200	590	75	1.39	1.26	1.13	.85
664392	MCDL-1870UYC-TL ₹	3	Amber	Water clear (7.62mm sq.)			0.30	0.30	0.20	2.0	4200	590	40	1.39	1.26	1.13	.85
404603	MCDL-1860UGC-TL	3	Green	Water clear (7.62mm sq.)			0.30	0.30	0.20	3.5	3500	525	75	2.15	1.94	1.74	1.25
664376	MCDL-1870UGC-TL ₹	3	Green	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.94	1.74	1.25
664368	MCDL-1870UBC-15C ₹	3	Blue	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	40	2.15	1.94	1.74	1.25
404591	MCDL-1860UBC-15C	3	Blue	Water clear (7.62mm sq.)	3mm Dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.94	1.74	1.25

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

LEDTECH Medium-Output LEDs

· Typical DC forward current 20mA









• Typicai L	oc forward curren	ι 20	IIIA					⊢A	_ В -	_	-		151415
Ledtech is	a QS9000 and ISO-9	0000	Certified Compan	y		Fig. 1		,	Fig. 2	,	15	52805	* Minimum order 10 pieces
Part	Product		Emitting	Lens/Feature	LED	Diameter	Dimensions	Lead	Typical	Typical	Wavelength	Viewing	Pricing

Part	Product		Emitting	Lens/Feature	LED	Diameter	Dimer	nsions	Lead	Typical	Typical	Wavelength	Viewing		Pric	ing	
Number	Number	Fig.	Color	Description	Size	(in./mm)	A"	В"	Spacing	Vf @ If (mA)	mcd @ mA	nm	Angle	1	10	100	1000
156954	LT0373-41 🕿	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	46	\$.24	\$.22	\$.17	\$.14
156946	LT0362-25-D61 ₹	2	Red/Green	White diff. bi-color tri-state	T1	0.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	50	.29	.25	.19	.15
152751	LT0344R-41 ₹	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	36	.21	.19	.16	.12
152784	LT0341R-41 ⊕ 🌣	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	56	*	.17	.15	.12
152768	LT0324-41 ⊕	1	Green	Green clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	45 @ 20	567	36	*	.077	.059	.057
156929	LT0321-41-HE⊕	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	56	.20	.18	.11	.10
215597	LT2K33-81-UC9T⊕	1	Yellow	Water clear	T1 ¾	0.197/5	0.31	0.89	0.10	2.2 @ 20	5000 @ 20	592	5	.49	.441	.353	.265
242844	LT1811-81 🗷	1	Red	Red diffused	T1 ¾	0.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	44	*	.12	.10	.06
152805	LT1873-81-UR⊕	1	Red Ultra Bright	Water clear	T1 ¾	0.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	12	*	.168	.134	.10
152856	LT1841R-81 ↔	1	Orange Red	Red diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1 @ 20	23 @ 20	635	44	*	.097	.078	.059
156962	LT1823-81-HE ₹	1	Green	Water clear	T1 ¾	0.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	19	*	.17	.15	.12
152821	LT1821-81-HE⊕	1	Green	Green diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	41	*	.16	.12	.09
152830	LT1831-81-UR⊕ ⊙	1	Ylw Ultra Bright	Yellow diffused	T1 ¾	0.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	41	.22	.198	.178	.15
			·		V	Vhite Diff	used	Back	light			·					
151415	LT1F24-A2-S1 ↔	_	Green	Backlight, diffused	2.05"L	x 0.78"H x ().09"T		8-pin	4.2 @ 20	140 @ 20	567	_	\$2.95	\$2.66	\$2.12	\$1.59

Blue Part No. = Limited Quantity Available

HLMP Series LEDs



¹⁰ pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 49

LED Cabinet Kit and LED Mounting Hardware

Design Engineer's 139 Piece LED Hardware Assortment

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.

- 139 piece hardware kit for T1 and T13/4 LEDs
- · Clear plastic case with dividers





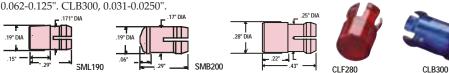
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Size: 8 5"L x 4 5"W x 1 5"H • Weight: 0 4 lbs

• Size: 8.5 L X 4.5 W)	(1.5 H • Weight: 0.4 lbs.
Includes: LED panel lenses and mounts	Colors: clear, red, yellow, green and blue Shapes: round, square Retainers
Pre-wired solderless LED interconnection	Varied lengths Standard header pin connector termination Crimp-type removable connector pins
LED PCB mounts, sockets and standoffs	Vertical and horizontal mount Various height LED standoffs SMT-type connectors Through-hole type connectors Resistor-type connectors
Part No. Description	Price
418731 Engineer's	LED hardware kit 🗶 \$25.09
is ready to a	le Tech Support department answer your questions. us! 1-800-831-4242

T1 & T1¾ Cliplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red, green, amber, yellow and clear. Hole size for T1, 0.171", on 0.250" centers. Panel thickness T1: SML190, 0.031-0.062"; SMB200, 0.062-0.125". Hole size for T1 & T1-3/4, 0.250" on 0.375" centers. Panel thickness, CLF280,

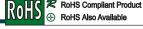


Part No.	Туре	Size	Color	1	10	100	1000
417818	SML190RTP₹	T1	Red	\$.26	\$.226	\$.166	\$.14
417826	SML190ATP₹	T1	Amber	.26	.226	.166	.14
417834	SML190GTP ₹	T1	Green	.26	.226	.166	.14
417842	SML190YTP₹	T1	Yellow	.26	.226	.162	.14
417851	SML190CTP₹	T1	Clear	.26	.226	.166	.14
417869	SMB200RTP₹	T1	Red	.26	.226	.166	.14
417877	SMB200ATP₹	T1	Amber	.26	.226	.167	.14
417885	SMB200GTP₹	T1	Green	.26	.226	.167	.14
417893	SMB200YTP₹	T1	Yellow	.26	.226	.166	.14
417906	SMB200CTP₹	T1	Clear	.26	.226	.167	.14
29612	CLF280RTP₹	T1 ¾	Red	.28	.247	.219	.188
417914	CLF280ATP₹	T1 3/4	Amber	.28	.244	.185	.157
417922	CLF280GTP₹	T1 3/4	Green	.28	.244	.185	.157
417931	CLF280YTP₹	T1 ¾	Yellow	.28	.244	.181	.157
14277	CLF280CTP₹	T1 3/4	Clear	.28	.237	.216	.157
417949	CLB300RTP₹	T1 3/4	Red	.28	.244	.185	.157
417957	CLB300ATP₹	T1 3/4	Amber	.28	.244	.185	.157
417965	CLB300GTP₹	T1 3/4	Green	.28	.244	.185	.157
417973	CLB300YTP₹	T1 3/4	Yellow	.28	.244	.181	.157
124927	CLB300CTP₹	T1 ¾	Clear	.25	.19	.16	.14

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



.21" .28" (5.33mm) (7.11mm)



T1 & T1³/₄ Cliplite® Panel Lens for PCB Mounted LEDs Quantity SAVE

T1 and T1-3/4 size low-profile panel lenses provide 180° viewing angle. Type SMC170 for T1 LEDs. Hole size: 0.171" on 0.250" centers. CMC321 for T1-3/4 LEDs. Hole size: 0.283" on 0.375" centers. Use retaining ring RNG165 for SMC170 and RNG268 for CMC321/CMS 322. RNG268: 0.36" Dia., 0.08" L.

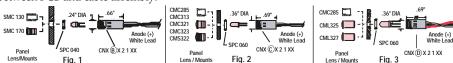
- RNG165: 0.24" Dia., 0.50"L
- · RNG132: 0.24" Dia., 0.08"L · CMC285: 0.21" Dia., 0.285"L
- SMC130: 0.14" Dia., 0.24"L

• SMC130:	0.14" Dia., 0.24"L		.06" (1.52mm)	· .	.07"		
* Prepackage	d: please order in increment	s of 10	(1.52mm)27" (6.86mm)	SMC170	(1.78mm)	.33" (8.36mm)	CMC321
Part No.	Туре	Size	Color	1	10	100	1000
417691	SMC170RTP₹	T1	Red	\$.26	\$.226	\$.166	\$.14
417703	SMC170ATP₹	T1	Amber	.26	.226	.166	.14
417711	SMC170GTP₹	T1	Green	.26	.226	.166	.14
417720	SMC170YTP₹	T1	Yellow	.26	.226	.166	.14
143183	SMC170CTP₹	T1	Clear	.26	.226	.20	.14
417738	CMC321RTP ₹o	T1 3/4	Red	.28	.244	.185	.157
417746	CMC321ATP₹	T1 3/4	Amber	.28	.244	.185	.157
417754	CMC321GTP₹	T1 3/4	Green	.28	.244	.185	.157
417762	CMC321YTP ₹	T1 3/4	Yellow	.28	.244	.185	.157
417771	CML325CTP₹	T1 3/4	Clear	.28	.254	.195	.164
143132	CMC321CTP₹	T1 3/4	Clear	.25	.22	.18	.14
417797	SMC130CTP₹	T1	Panel mount clip	*	.169	.127	.107
417800	CMC285CTP₹	T1 3/4	Panel mount clip	.27	.235	.166	.14
417631	RNG132₹	_	Ring for SMC130	.83	.75	.059	.049
417789	RNG165₹	_	Ring for SMC285	*	.075	.059	.049
417640	RNG234₹	_	Ring for CMC321	*	.074	.067	.049

Blue Part No. = Limited Quantity Available

Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB. 3mm type CNXBE and CNXBX connector assemblies use SMC170 lens or SMC130 mount; 5mm type CNXCE and CNXCX assemblies use a CMC321 lens or CMC285 mount. Thin panels (0.032") use ring spacer type SPC040 for 3mm and type SPC060 for 5mm assemblies. CNXBE , CNXCE and CNXDF cables are supplied with panel and header connector. The BX, CX and DX cables are supplied with panel connector and bare wire leads. CNXV and H series locking headers provide positive locking between PCB and cable assembly.

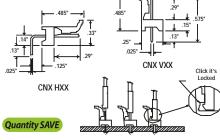


Panel Lens/Mounts	7 _{SPC 040} Fig. 1	CNX (B)	X 2 1 XX	Panel Lens / Mour	cnx ©x 2	1 XX	Panel Lens / Mo	unts Fi ç	g. 3 ^{CNX} ® X	2 1 XX
Part No.	Туре	Fig.	LED Type		Termination	Length	1	10	100	1000
417375	CNXBE2104₹	1	T1 (3mm) Bi-lea	ad	2 position connector	4"	\$1.99	\$1.69	\$1.11	\$1.00
143088	CNXBE2108₹	1	T1 (3mm) Bi-lea	ad	2 position connector	8"	1.25	1.13	1.05	.99
417383	CNXBE2112₹	1	T1 (3mm) Bi-lea	ad	2 position connector	12"	1.95	1.76	1.40	1.05
417391	CNXBE2124₹	1	T1 (3mm) Bi-lea	ad	2 position connector	24"	2.45	2.21	1.76	1.32
417404	CNXBX2104₹	1	T1 (3mm) Bi-lea	ad	Stripped leads	4"	1.21	1.09	.87	.65
417412	CNXBX2108₹	1	T1 (3mm) Bi-lea	ad	Stripped leads	8"	1.18	1.06	.85	.64
417421	CNXBX2112₹	1	T1 (3mm) Bi-lea	ad	Stripped leads	12"	1.36	1.23	.98	.74
417439	CNXBX2118₹	1	T1 (3mm) Bi-lea	ad	Stripped leads	18"	1.55	1.35	1.08	.81
417447	CNXBX2124₹	1	T1 (3mm) Bi-lea	ad	Stripped leads	24"	1.79	1.52	1.00	.90
143037	CNXCE2108₹	2	T1 ¾ (5mm) Bi-	lead	2 position connector	8"	1.29	1.25	1.19	1.15
417463	CNXCE2112₹	2	T1 ¾ (5mm) Bi-	lead	2 position connector	12"	1.95	1.76	1.40	1.05
143053	CNXCE2118₹	2	T1 ¾ (5mm) Bi-	lead	2 position connector	18"	1.55	1.39	1.20	1.09
417471	CNXCE2124₹	2	T1 ¾ (5mm) Bi-	lead	2 position connector	24"	2.45	2.07	1.37	1.23
417480	CNXCX2104₹	2	T1 ¾ (5mm) Bi-	lead	Stripped leads	4" -\$	1.35 .91	.82	.75	.67
417498	CNXCX2108₹	2	T1 ¾ (5mm) Bi-	lead	Stripped leads	8"	1.35	1.14	.75	.67
417501	CNXCX2112₹	2	T1 ¾ (5mm) Bi-	lead	Stripped leads	12"	1.36	1.23	.98	.74
417519	CNXCX2118₹	2	T1 ¾ (5mm) Bi-	lead	Stripped leads	18"	1.55	1.35	1.08	.81
417527	CNXCX2124₹	2	T1 ¾ (5mm) Bi-	lead	Stripped leads	24"	1.79	1.61	1.01	.90
417535	CNXDF2604₹	3	T1 ¾ (5mm) Tri	-lead	3 position connector	4"	2.45	2.21	1.76	1.32
417543	CNXDF2608₹	3	T1 ¾ (5mm) Tri	-lead	3 position connector	8"	2.45	2.21	1.76	1.32
417551	CNXDF2612₹	3	T1 ¾ (5mm) Tri	-lead	3 position connector	12"-\$	3.152.15	1.93	1.55	1.16
417560	CNXDF2618₹	3	T1 ¾ (5mm) Tri	-lead	3 position connector		3.392.35	2.12	1.69	1.27
417578	CNXDF2624₹	3	T1 ¾ (5mm) Tri	-lead	3 position connector	24"-\$	3.5 ⁹ 2.25	2.03	1.82	1.37
417586	CNXDX2604₹	3	T1 ¾ (5mm) Tri	-lead	Stripped leads	4"	1.85	1.67	1.33	.99
417594	CNXDX2608₹	3	T1 ¾ (5mm) Tri		Stripped leads	8"	1.85	1.67	1.33	.99
417607	CNXDX2612₹	3	T1 ¾ (5mm) Tri	-lead	Stripped leads	12"	2.15	1.94	1.55	1.16
417615	CNXDX2618₹	3	T1 ¾ (5mm) Tri	-lead	Stripped leads	18"	2.39	2.15	1.72	1.29
417623	CNXDX2624₹	3	T1 ¾ (5mm) Tri	-lead	Stripped leads	24"	2.59	2.33	1.87	1.40

Conxrite Locking Headers for **Use with Cable Assemblies**

CNXV and H series locking headers provide positive locking between PCB and cable assembly.

- · Mounting P/N 417658: vertical 2-pin
- Mounting P/N 417666: vertical 3-pin
- Mounting P/N 417674: horizontal 2-pin
- Mounting P/N 417682: horizontal 3-pin



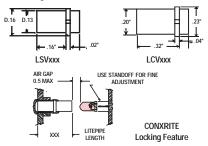
CONXRITE Locking Feature

Part No.	Туре	1	10	100	1000
417658	CNXV02NTP ₹	\$.27	\$.243	\$.194	\$.146
417666	CNXV03NTP ₹	.42	.378	.302	.227
417674	CNXH02NTP ₹	.34	.306	.245	.184
417682	CNXH03NTP ≈	.33	.297	.263	.197

Litepipes for PCB-Mounted LEDs

Designed to transmit light from PCB mounted LED to panel display. Cliplite lenses provide the mounting for Litepipes and produce 180° of viewing angle. Use SMB200 for LSV (3mm) litepipe and CLB300 for LCV (5mm) litepipe, see pg 46. For added security use retaining rings RNG190 (3mm) and RNG268 (5mm).

· Mounting color: clear



Part No.	Туре	1	10	100	1000
417981	LSV020CTP 2	\$.28	\$.254	\$.224	\$.189
417990	LSV040CTP 2	.28	.254	.224	.189
418001	LSV060CTP 2	.28	.254	.224	.189
418010	LSV080CTP 2	.28	.254	.224	.189
418028	LSV100CTP 2	.28	.254	.224	.189
418036	LSV120CTP 2	.28	.254	.224	.189
418044	LCV036CTP₹	.28	.254	.224	.189
418052	LCV056CTP₹	.28	.254	.224	.189
418061	LCV076CTP₹	.28	.254	.224	.189
418079	LCV096CTP₹	.28	.254	.224	.189
418087	LCV116CTP₹	.28	.254	.224	.189
418095	LCV136CTP₹	.28	.254	.224	.189

Committed to You

We're committed to providing you with the best service in the industry.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.







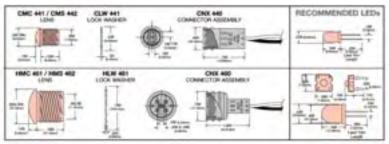
Lower \$\$\$



Cable Assemblies for 5mm and 10mm LED Lights

Features:

- Enhances LED apparent brightness as well as the viewing angle to 180°
- Sealed version exceeds NEMA 4 for dust, water and ice
- Tested for temperature cycling, UV, solar shock and vibration
- Plug and play approach simplifies cable installation





Pre-Wired Solderless LED holders - Twist Fit

5mm Bi-Lead LED 24 AWG 2-wire/0.025" Header Post

Part No.	Product No.	Length (in.)	1	10	100	500
673740	CNX440-E02-4-1-04 🕿	4	\$2.79	\$1.79	\$1.74	\$1.52
673758	CNX440-E02-4-1-08 ₹ ©	8	2.79	1.99	1.74	1.52
673782	CNX440-E02-4-1-12 🕿	12	3.05	1.94	1.88	1.60
673791	CNX440-E02-4-1-18 🕿	18	3.15	2.05	1.98	1.68
673803	CNX440-E02-4-1-24 🕿	24	3.25	2.13	2.06	1.76

5mm Bi-Lead LED 24 AWG 2-Wire/Stripped End

673811	CNX440-X02-4-1-04 ₹ 3	4	\$1.75	\$1.17	\$1.10	\$.86
673820	CNX440-X02-4-1-08 ₹ €	8	1.85	1.81	1.78	1.73
673838	CNX440-X02-4-1-12 🕿	12	1.95	1.91	1.88	1.83
673846	CNX440-X02-4-1-18 2 0	18	1.95	1.36	1.32	1.11
673854	CNX440-X02-4-1-24 🕿	24	2.05	1.48	1.43	1.19

10mm Bi-Lead LED 24 AWG 2-wire/0.025" Header Post

673862 CNX460-E02-4-1-04 ₹	4	\$4.15	\$2.65	\$2.57	\$2.25
673889 CNX460-E02-4-1-08 ₹	8	4.15	2.65	2.57	2.25
673897 CNX460-E02-4-1-12 ₹	12	4.25	2.80	2.72	2.33
673942 CNX460-E02-4-1-18 ₹	18	4.29	2.88	2.79	2.41
673951 CNX460-E02-4-1-24 ₹	24	4.39	2.98	2.89	2.49

10mm Bi-Lead LED 24 AWG 2-Wire/Stripped End

673969	CNX460-X02-4-1-04 🗷	4	\$3.15	\$1.99	\$1.93	\$1.68
673977	CNX460-X02-4-1-08 ₹	8	3.15	1.99	1.93	1.68
673985	CNX460-X02-4-1-12 🗷 🔾	12	3.25	2.13	2.06	1.76
674005	CNX460-X02-4-1-18 ₹ •	18	3.35	2.23	2.16	1.84
674013	CNX460-X02-4-1-24 🗷	24	3.45	2.31	2.24	1.92

Blue Part No. = Limited Quantity Available



CLIPLITE® Moisture Sealed **Litepipe Assemblies**

Designed to transmit light from PCB mounted LED (3mm and 5mm) and surface mount LEDs to the front panel display. These litepipes increase the apparent brightness of an LED and disperse the viewing angle of up to 180°. The litepipe assembly meets NEMA-3 for moisture and dust. Because there is no direct connection between the litepipe and LED, the circuit board can be installed or removed without disturbing the panel.

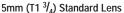


• Mounts in 0.281" holes with 3/8" centers on 1/32" to 1/8" panel thickness

Part No.	Product No.	Length (in.)	Color	1	10	100	500
675761	LMS033CTP ₹	0.33	Clear	\$1.21	\$1.07	\$.99	\$.94
675770	LMS033RTP ₹	0.33	Red	1.23	1.07	.99	.94
675788	LMS033GTP ₹	0.33	Green	1.23	1.07	.99	.94
675796	LMS053CTP ₹	0.53	Clear	1.23	1.07	.99	.94
675809	LMS053RTP ₹	0.53	Red	1.23	1.07	.99	.94
675817	LMS053GTP ₹	0.53	Green	1.21	1.07	.99	.94
675825	LMS133CTP ₹	1.33	Clear	1.21	1.07	.99	.94
675833	LMS133RTP ₹	1.33	Red	1.21	1.07	.99	.94
675841	LMS133GTP ₹	1.33	Green	1.21	1.07	.99	.94

Lens for Twist Style LED Holders

Includes: Lockwasher and retaining ring



•	47					
Part No.	Product No.	Color	1	10	100	500
674030	CMC441RTP ₹ O	Red	\$.75	\$.54	\$.52	\$.384
674056	CMC441GTP ₹	Green	.75	.54	.52	.384
677610	CMC441BTP ₹	Blue	.75	.54	.52	.384
674064	CMC441YTP 🕿	Yellow	.75	.54	.52	.384
674072	CMC441ATP ₹	Amber	.75	.54	.52	.384

5mm (T1 ³/₄) Water Tight Lens

674081	CMS442RTP ₹ O	Red	\$1.47	\$.97	\$.94	\$.74
677636	CMS442ATP ₹	Amber	1.45	.97	.94	.74
674101	CMS442GTP ₹	Green	1.47	.97	.94	.74
674110	CMS442YTP ₹	Yellow	1.47	.97	.94	.74
674128	CMS442BTP ₹	Blue	1.47	.97	.94	.74

10mm Standard Lens

674136	HMC461CTP ₹	Clear	\$1.04	\$.86	\$.71	\$.58
674144	HMC461RTP ₹	Red	1.00	.86	.71	.58
674179	HMC461GTP ₹	Green	1.00	.86	.71	.58
674187	HMC461ATP ₹	Amber	1.00	.86	.71	.58
674195	HMC461YTP ₹	Yellow	1.00	.86	.71	.58
674208	HMC461BTP ₹	Blue	1.00	.86	.71	.58

10mm Water Tight Lens

674216	HMS462CTP ₹	Clear	\$1.85	\$1.22	\$1.19	\$.93
674224	HMS462RTP ₹	Red	1.85	1.22	1.19	.93
674232	HMS462GTP ₹	Green	1.85	1.22	1.19	.83
674241	HMS462ATP ₹	Amber	1.85	1.22	1.19	.93
674259	HMS462YTP ₹	Yellow	1.85	1.22	1.19	.93
674267	HMS462BTP ₹	Blue	1.89	1.22	1.19	.93

Blue Part No. = Limited Quantity Available

JAMECO ValuePro

LED Light Strip Modules

Typical applications: running light or light source for under cabinets, closets, RV's, enclosures



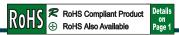
			Volt. Typ.	Flux Typ.		Angle	Pricing		
Part No.	Product No.	Color	(V@mA)	(Im)	(nm)	(Deg.)	1	10	25
683323	LS1155-150A112 🕿	Yellow	12 @ 150	25	590	100	\$12.95	\$12.29	\$11.49
683235	LS1255-150A112 🕿	Yellow	12 @ 150	25	590	100	12.95	12.29	11.49
683331	LS1155-525W404A 🕿	Red/blue/green	4 @ 525	12.5		100	18.95	17.95	16.95

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to **NewProducts@Jameco.com**.

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

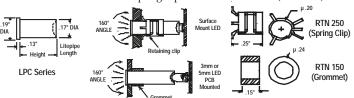






Litepipes For Standard and Surface-Mount LEDs

Designed to produce 160° viewing angle of transmitted light from PCB mounted LEDs. Accommodates both 3mm and surface mount LEDs. Litepipes are able to display single color devices or mix multi-colored LEDs into a single color. Sizes from 0.200" (5.08mm) to 2.00" (50.80mm). Use RTN grommet for sizes 0.20" thru 0.50" and RTN spring clip for sizes 0.50" to 2.00" (50.80mm).



*	Prepackaged:	please order	in	increments of 10	
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* Prepackaged: please order in increments of 10							
Part No.	Туре	Mounting Height	1	10	100	1000	
418108	LPC020CTP ₹	0.200"	\$.35	\$.32	\$.244	\$.205	
418116	LPC022CTP ₹	0.220"	.35	.32	.244	.205	
418124	LPC024CTP ₹	0.240"	.35	.32	.244	.205	
418132	LPC026CTP₹	0.260"	.35	.32	.244	.205	
418141	LPC028CTP₹	0.280"	.35	.32	.244	.205	
418159	LPC030CTP₹	0.300"	.35	.32	.244	.205	
418167	LPC032CTP₹	0.320"	.35	.32	.244	.205	
418175	LPC034CTP₹	0.340"	.35	.32	.244	.205	
418183	LPC036CTP₹	0.360"	.35	.32	.244	.205	
418191	LPC038CTP₹	0.380"	.35	.32	.244	.205	
418204	LPC040CTP ₹	0.400"	.35	.32	.244	.205	
418212	LPC042CTP ₹	0.420"	.35	.32	.244	.205	
418221	LPC044CTP ₹	0.440"	.35	.32	.244	.205	
418239	LPC046CTP ₹	0.460"	.35	.32	.244	.205	
418247	LPC048CTP ₹	0.480"	.35	.32	.244	.205	
418255	LPC050CTP₹	0.500"	.35	.32	.244	.205	
418263	LPC056CTP ₹	0.56"	.35	.32	.244	.205	
418280	LPC066CTP ₹	0.66"	.35	.32	.244	.205	
418301	LPC076CTP ₹	0.76"	.35	.32	.244	.205	
418327	LPC086CTP ₹	0.86"	.35	.32	.244	.205	
418271	LPC060CTP ₹	0.600"	.35	.32	.244	.205	
418298	LPC070CTP₹	0.700"	.35	.32	.244	.205	
418319	LPC080CTP₹	0.800"	.35	.32	.244	.205	
418335	LPC090CTP₹	0.900"	.35	.32	.244	.205	
418343	LPC096CTP ₹	0.960"	.35	.32	.244	.205	
418351	LPC100CTP₹	1.00"	.40	.357	.263	.222	
418360	LPC125CTP ₹	1.25"	.40	.357	.263	.222	
418378	LPC150CTP ₹	1.50"	.40	.357	.263	.222	
418386	LPC160CTP ₹	1.60"	.40	.357	.263	.222	
418394	LPC200CTP ₹	2.00"	.40	.357	.263	.222	
418407	RTN150₹	Grommet	*	.074	.059	.049	
418415	RTN250 ₹	Spring clip	*	.093	.059	.056	

LED Mounting Hardware

 P/N 95521: for use with P/N 94545 and













Prepackaged: please order in increments of 10

	Cross		Mounting	Panel		Pricing	
Part No.	Ref. No.	Description	Hole Dia.	Thickness	10	100	1000
95513	LMH100₽	T1 snap-in	.185"	Up to .070"	\$.08	\$.07	\$.04
23077	LMH200₽	T1¾ ring & clip	.257"	Up to .125"	.15	.14	.12
95521	LMH250 ≈	Rect. snap-in	.306" x .202"	Up to .092"	.20	.15	.13
379815	- ≉	10mm snap-in	.539"	Up to .1025"	.39	.332	.266

Electronics Pocket Reference

Third Edition McGraw-Hill Publishing

A pocket reference manual that provides definitions, passive component equations and color coding, parameters of standard semi-conductors, linear circuits, filters, power supply and regulation, electronic measurement and mathematical tables and formulas. (529 pages, 2000)

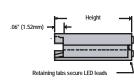


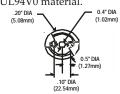




PCB Standoffs for 2 and 3-Lead Components

Designed for PCB mounting of multi-lead devices (e.g. LEDs, IR emitter/detector lamps, resistors, capacitors and diodes). Provide lead separation, retention and lateral stability, and height control. Standoffs vary in height from 0.12" to 1.00". Standoffs are UL94V0 material.





			Prepackaged: p	lease order in ir	crements of 10
Part No.	Туре	Mounting Height	10	100	1000
418423	STD120BLK 🕿	0.120"	\$.093	\$.068	\$.058
418431	STD140BLK 🕿	0.140"	.093	.068	.058
418440	STD160BLK 🕿	0.160"	.093	.068	.058
418458	STD180BLK 🕿	0.180"	.093	.068	.058
418466	STD200BLK 🕿	0.200"	.093	.068	.058
418474	STD220BLK 🕿	0.220"	.093	.068	.058
418482	STD240BLK 🕿	0.240"	.093	.068	.058
418491	STD250BLK 🕿	0.250"	.093	.068	.058
418503	STD260BLK 🕿	0.260"	.093	.068	.058
418511	STD280BLK 🕿	0.280"	.093	.068	.058
418520	STD300BLK 🕿	0.300"	.093	.068	.058
418538	STD320BLK 🕿	0.320"	.093	.068	.058
418546	STD340BLK 🕿	0.340"	.093	.068	.058
418554	STD360BLK ₹	0.360"	.093	.068	.058
418562	STD380BLK 🕿	0.380"	.093	.068	.058
418571	STD400BLK 🕿	0.400"	.093	.068	.058
418589	STD420BLK 🕿	0.420"	.093	.068	.058
418597	STD440BLK 🕿	0.440"	.093	.068	.058
418600	STD460BLK 🕿	0.460"	.093	.068	.058
418618	STD480BLK 🕿	0.480"	.093	.068	.058
418626	STD500BLK 🕿	0.500"	.093	.068	.058
418634	STD550BLK 🕿	0.550"	.093	.068	.058
418642	STD600BLK ₹	0.600"	.093	.068	.058
418651	STD650BLK 🕿	0.650"	.093	.068	.058
418669	STD700BLK 🕿	0.700"	.093	.068	.058
418677	STD750BLK 🕿	0.750"	.093	.068	.058
418685	STD800BLK 🕿	0.800"	.093	.068	.058
418693	STD850BLK 🕿	0.850"	.093	.068	.058
418706	STD900BLK 🕿	0.900"	.093	.068	.058
418714	STD950BLK 🕿	0.950"	.093	.068	.058
418722	STD1.0BLK 🕿	1.000"	.093	.068	.058

LEDs & LED Mounting Hardware Kit

84996

- · 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 307 and labels
- 10 ea. standard-output LEDs (34657, 114673, 114681, 34606, 34825, 34711, 104248), pg 43 (34690, 11359, 34761, 104256, 34673), pg 44
- 10 ea. HLMP series LEDs (11797), pg 46
- 10 ea. LED lens mount (14277), pg 46
- 100 ea. LEDs (94529, 135597), pg 43
- Part No

	LEDs (94529, 1355 LED mounting hard	3077), pg 49	AVE \$25	
).	Description	Wt. (lbs.)	1	10
	560 piece kit	5.0	\$66.95	\$60.25

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.



7-Segment LED Displays





Single Digit RHDP

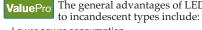






2-Digit RHDP





Lower power consumption

Longer lifetime (average of more than 300,000 hours)

· Compact size suitable for instrumentation and graphic representations

• Soldering bath: not more than 5 seconds @ 260°C Soldering iron: not more than 3 seconds @ 300°C under 30W

Soldering:







3-Digit RHDP

4x7 Hex Character

Dot Matrix

10-Bargraph

202526	pa	51

		. Character	Illuminated	Bus	Pins/	Typical	Typical	Wavelength	Decimal		Pricing	1	
Part No.	Cross Ref. No.		Color	Polarity*	Leads	Vf @ If (mA)	mcd @ mA	nm	Point #	1	10	100	1000
320469	UA3031-16-EWRN ⊕	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	\$.78	\$.70	\$.63	\$.95
334984	UA3051-12 2	0.30"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.69	.61	.478
395639	UA3051-16EWRS ⊕	0.30"	Red	CA	11	3.0 @ 20	0.8 @ 10	700	LHDP/RHDP	1.09	.98	.96	.81
334800	UC3051-11 ₹	0.30"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.78	.76	.61	.478
334802	UC3041R-11 ₹	0.30"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.68	.60	.54	.49
334810	UC3041R-20 ⊕	0.30"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	.94	.85	.69	(.52)
335011	UA3041-12⊕	0.30"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.74	.67	.53	.44
335257	UC3671-11-M1-EWAK ⊕		Super Bright Red	CC	10	1.7 @ 20	6.0 @ 10	643	RHDP	1.02	.93	.74	.55
334836	UA4071-11-UR EWAK ⊕	0.40"	Red	CA	10	1.9 @ 20	25.6 @ 10	660	RHDP	.96	.86	.78	.59
335021	UA4051-11 2	0.40"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.69	.62	.432	.41
334844	UC4041R-11 ⊕	0.40"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.77	.69	.56	.423
334828	UC4041-11 ⊕	0.40"	I Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.85	.77	.61	.46
335054	UN4043-13 EWRS ⊕	0.40"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	1.95	1.71	1.37	1.03
334852	UC4031-11 ⊕	0.40"	Yellow	CC	10	2.1 @ 20	2.3 @ 10	585	RHDP	.88	.79	.63	.48
335038	UA4021-11 ⊕	0.40"	Green	CA	10	2.1 @ 20	2.9 @ 10	567	RHDP	.88	.79	.71	.53
335214	UC5442-11 EWRS 1		Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	2.59	2.33	1.86	1.39
335222	UA5422-11 EWRS 1	_	Green	2-digit CC 2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.79	1.61	1.28	.96
334887	UC5651-11⊕	0.54	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.00	.90	.81	.73
334933	UC5652-11 2	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	.95	.90	.68	.65
334960	UA5652-11 2	. 0.56"	Red Red	2-digit CC 2-digit CA	18	2.1@20	0.8 @ 10	700	RHDP	1.39	1.32	.98	.94
335090	UA5651-11 %	. 0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.04	.99	.87	.70
334896	UC5641R-11	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP		.74	.51	.401
334942	UC5642R-11 2	0.56"	Hi-eff Red	2-digit CC	18	2.1@20	3.3 @ 10	635	RHDP	.76 1.18	.95	.80	.64
334942	UA5642R-11 R	0.56"	Hi-eff Red		18	2.1@20	3.3 @ 10	635	RHDP	.85	.84	.63	
	1		Hi-eff Red	2-digit CA									.60
335101	UA5641R-11 %	0.56"		CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	.75	.67	.50	.394
335312	UA5641-11 ₹ UC5641-11 ⊕ ○	0.56"	Orange	CA CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	.60	.50	.40	.38
334879		0.56"	Orange		10	2.1 @ 20	3.3 @ 10	635	RHDP	.65	.60	.416	.401
335152	UA5642-11 2	0.56"	Orange	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	.88	.81	.64	.58
334924	UC5642-11 ⊕	0.56"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.12	1.00	.80	.75
335185	UM5644R-11 RRRS ⊕	0.56"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.75	2.57	2.46	1.84
335127	UA5621-11 2	0.56"	Green	CA	10	2.1 @ 20	2.9 @ 10	562	RHDP	.75	.61	.40	.38
334862	UC5621-11 2	0.56"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	.81	.80	.546	.423
334917	UC5622-11 2	0.56"	Green	2-digit CC	18	2.1 @ 20	2.9 @ 10	567	RHDP	1.04	.99	.74	.70
335169	UC5624-11 EWRS ⊕	0.56"	Green	4-digit CC	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.33	1.87	1.40
335177	UA5624-11 EWRS ⊕	0.56"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.75	2.47	2.25	(1.69)
335194	UM5624-11 EWRS ₹	0.56"	Green	4-digit CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	2.59	2.34	2.24	1.64
334908	UC8041-21 EWRS ⊕	0.80"	Orange	CC	13	2.1 @ 20	3.8 @ 10	635	RHDP	1.16	1.05	.94	.85
335281	UJ1141-21 EWRN⊕	1.20"	Orange	5 x 7 CC/AR	14	2.1 @ 20	4.6 @ 10	635	_	3.89	3.50	2.80	(2.10)
335290	UJ2041-22 EWRN ⊕	2.00"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	_	3.39	3.15	2.90	2.73
				0the	r Manu	ıfacturers -	— Great Dea	als					
24731	LSD3021-11 %	0.20"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	\$.95	\$.86	\$.68	¢ 41
24731	LSD3021-11 % LSD3221-11 %	0.30"	Red Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.79	.72	۶.00 64	\$.61 .58
24740	LSD3221-11 % LSD3211-11 %	0.30	r Red I Red	CC	10	2.1@20	2.5 @ 20	697	RHDP	.89	.72	.65	.58
													.49
17187	LSD5051-11 2		Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.80	.64	
17208	LSD5061-11 2		Red Oranga Bad	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	.89	.80	.64	.481
104213	LSD5124-10 2	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.80	.68	.60	.45
308224	LM5643R-11RRRN	0.56"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	1.89	1.69	1.35	(1.01)
308232	LM5644R-11RRRN		Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	3.15	2.69	2.15	1.61
24715	LDD5121-20		Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24723	LDD5111-11 🗷	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24694	LDD51242	0.56"	Orange Red	2-digit CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.69	1.52	1.22	.91
24707	LDD5114-20 🗷		Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98	.69
18737	LSD816-11 2	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.18	1.15	1.10	.99
* 04 0	n Anode/CC-Common Catho				10.11	DUDD DI LLII		† 14 segment	Blue Part N				

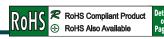
^{*} CA-Common Anode/CC-Common Cathode/AR-Anode Row

[#] LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

^{† 14} segment

[♦] Blue Part No. = Limited Quantity Available

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



7-Segment, Dot Matrix & Bargraph LED Displays

7-Segment LED Displays (Continued)

Quantity SAVE

See pg 50 for photos

	EDTECH			0the	r Manu	ıfacturers -	— Great Dea	ıls	Challen III	MAGN.			
		Character	Illuminated	Bus	Pins/	Typical	Typical	Wavelength	Decimal		Pric	ing	
Part No.	Cross Ref. No.	Height	Color	Polarity*	Leads	Vf @ If (mA)	mcd @ mA	nm	Point #	1	10	100	1000
308259	LA8071-11-MIEWRW	0.80"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	\$1.55	\$1.37	\$1.24	\$.93
18753	LSD8151-10 ≈	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.29	1.14	.97	.87
97172	LSD10061-10 🗷	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.39	1.25	1.12	.99
97199	LSD23265-10₹	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	5.75	5.19	4.69	4.19
97201	LSD23255-10₹	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	3.35	3.00	2.85	2.70
202518	LSD30165-20₹	3.0"	Orange Red	CA	10	8 @ 20	4.5 @ 10	635	RHDP	7.39	6.65	5.98	5.39
202542	LSD30155-20₹	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	5.49	4.95	4.45	4.05
105591	LSD40054-20 ≈ †	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.54	6.83	5.45
202500	LSD40064-20 🗷	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59	7.79
202526	LSD50065-20 🗷	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	27.09	24.38	19.51	14.63
202534	LSD50055-207	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	20.79	16.61	14.99	11.24

† 5 diodes per segment

LITEON 7-Segment LED Displays

NEW

For more LiteOn LED Displays visit www.Jameco.com

		Character	Illuminated	Bus	Pins/	Typical	Typical	Wavelength	Decimal		Prici	na	
D4 N-	O D-f N-	•	•					"					1000
Part No.	Cross Ref. No.	Height	Color	Polarity*	Leads	Vf @ If (mA)	mcd @ mA	nm	Point #	- 1	10	100	1000
789988	LTC-2621JD ₹ ♠	0.28"	Hi-eff Red	3-digit CA	13	2.1 @ 20	6@1	640	RHDP	\$2.19	\$1.98	\$1.80	\$1.64
789970	LTC-2621G ₹♠	0.28"	Green	3-digit CA	13	2.1 @ 20	2 @ 10	569	RHDP	1.85	1.78	1.73	1.65
789953	LSHD-7501 ₹♠	0.30"	Red	CA	10	2.1 @ 20	12 @ 10	624	RHDP	.65	.63	.61	.59
878201	LTS-312AHR ♣	0.30"	Hi-eff Red	CA	11	2.1 @ 20	2.0 @ 10	623	RHDP/LHDP	.86	.78	.71	.65
790532	LTS-313AHR ♣	0.30"	Hi-eff Red	CC	10	2.0 @ 20	2.0 @ 10	623	RHDP	1.25	1.05	.95	.61
790516	LTS-312AG ₹♠	0.30"	Green	CA	11	2.1 @ 20	2.0 @ 10	569	RHDP/LHDP	.63	.62	.60	.56
790559	LTS-360HR₹♠	0.36"	Hi-eff Red	CA	10	2.0 @ 20	2.0 @ 10	623	RHDP	1.25	1.05	.95	.65
790575	LTS-4940AHR ♣	0.40"	Hi-eff Red	CC	11	2.0 @ 20	2.2 @ 10	623	RHDP	1.08	.91	.82	.56
789996	LTC-4627JR ₹♠	0.40"	Super Red	4-digit CA	14	2.0 @ 20	0.65 @ 1	631	RHDP	2.35	2.21	2.14	2.07
790591	LTS-546AHR ♣	0.52"	Hi-eff Red	CA	10	2.0 @ 20	2.2 @ 10	623	RHDP	1.49	1.26	1.14	.78
790612	LTS-5703AY ₹♠	0.56"	Yellow	CC	10	2.1 @ 20	2.4 @ 10	588	RHDP	1.46	1.23	1.11	.76
697485	LTD-6910HR ₹ ♠	0.56"	Red	2-digit CA	18	2.0 @ 150	3.9 @ 10	635	RHDP	.99	.91	.81	.78
790031	LTD-6940HR ₹♠	0.56"	Hi-eff Red	2-digit CC	18	2.0 @ 20	2.4 @ 10	623	RHDP	.89	.87	.84	.81
790006	LTC-5723HR ♣	0.56"	Hi-eff Red	4-digit CC	12	2.0 @ 20	2.4 @ 10	623	RHDP	1.99	1.93	1.87	1.81
790639	LTS-6460G ₹♠	0.56"	Green	CA	10	2.1 @ 20	2.4 @ 10	569	RHDP	1.46	1.23	1.11	.76
790014	LTD-5621AG ₹♠	0.56"	Green	2-digit CA	18	2.1 @ 20	2.4 @ 10	569	RHDP	.99	.96	.94	.91
790022	LTD-6410G ₹♠	0.56"	Green	2-digit CA	18	2.1 @ 20	2.4 @ 10	569	RHDP	.89	.89	.81	.81

^{*} CA-Common Anode/CC-Common Cathode

Dot Matrix and Bargraph LED Displays

Quantity SAVE

		Jameco	Character	Illuminated	Bus	Pins/	Typical	Typical	Wavelength	Decimal		Pricing		
Part No.	Cross Ref. No.	Socket Number	Height	Color	Polarity*	Leads	Vf @ If (mA)	mcd @ mA	nm	Point #	1	10	100	1000
32951	TIL311	37162	0.300"	Red	4x7 Hex character	11	5.0 @ 5	0.1 @ 5	660	_	\$16.95	\$14.35	\$12.20	\$11.45
218843	CSM57041T-11	_	0.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	_	1.95	1.76	1.40	1.05
206560	LTP2157AG	_	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	_	1.85	1.65	1.49	1.34
183265	LMD5821ASR-20₹	_	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	_	4.95	4.49	3.95	2.96
334511	UL10000-E-EWAK ⊕‡	_	-	Green	Bargraph	4	2.1 @ 20	1.4 @ 10	567	_	1.22	.99	.81	.65
334529	UL10000-HR-RRAK⊕‡	_	! - !	Red	Bargraph	4	2.1 @ 20	1.6 @ 10	635	_	1.18	.95	.78	.63
334537	UL10000-Y-EWAK ⊕‡	_	-	Yellow	Bargraph	4	2.1 @ 20	1.1 @ 10	585	_	1.15	1.04	.83	.62
697469	LTA-1000G ₹‡ ♠	_	_	Green	Bargraph	20	2.1 @ 20	2.0 @ 10	565	_	1.02	.86	.69	.61
697477	LTA-1000HR ₹‡♠	_	i –	Hi-eff red	Bargraph	20	2.0 @ 20	2.0 @ 10	635	_	1.02	.86	.69	.56
697493	LTL-2685HR ₹♠	_	-	Red	Lightbar	16	2.0 @ 20	8.0 @ 10	_	_	1.59	1.35	1.22	.80
697506	LTL-2885G ₹♠	_	¦ –	Green	Lightbar	16	2.1 @ 20	16.0 @ 10	_	_	1.59	1.35	1.21	.95

^{*} CA-Common Anode/CC-Common Cathode/AC-Anode Column/CR-Cathode Row/AR-Anode Row

JAMECO BenchPro

2-50mA LED Tester

This pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of 12 positions on the socket strip to test at current ratings from

2-50mA. The seven middle positions on the strips are set at 10mA allowing comparison of LEDs in those spaces. Requires: 9V battery (recommend P/N 198791, pg 250)

Size: 3.2"L x 2.4"W x 0.9"H

Part No. Description 354968 LED tester \$7.95

JAMECO BenchPro 2-150mA LED Tester

Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA.

Another 13 position strip ranging from 20mA to 150mA to test other types of LEDs with ACA (anode-cathode-anode) or CAC (cathode-anodecathode) pin configuration. Includes 9V battery.

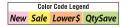
• Size: 3.1"L x 2.2"W x 0.9"H

Part No.	Description	Price
355805	LED tester ?	. \$8.95

vallemen 2-Digit Serial LED Display with Serial Interface Kit

- Bright, red jumbo-sized 7-segment displays (57mm)
- · Easy platform control via RS-232 3-wire interface
- · Multiple units can be linked easily to create large readout for score-keeping,
- timing, counting and other applications Up to 255 units can be separately addressed
 Power supply: 9-12VDC @ 120mA per display
- RS-232 interface: 2400 baud/8 data bits/no parity/
- Size: 2.9"H x 2.3"W x 1.3"D one stop bit Part No. 645221 LED display\$47.29

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



[#] LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

[#] LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Infrared LEDs, Detectors & Replacement Lamps

Color Code Legend

New Sale Lower\$ QtySave

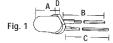
JAMECO Value Pro

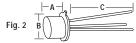
Infrared and Visible Light Emitters and Detectors

Detectors

· Use for remote control and/or for fiber optics

 P/N 133946: Can be used with cameras, see page 267 (peak emission wavelength: 940nm @ 20mA)







					Diameter Dimensions (inches)					PHI	ilig					
Part No.	Cross Ref. No.	Fig.	Description	Size	inch/mm	Α	В	С	D	Vf @ If	nm	mWatts	1	10	100	1000
372710	UT0383-41-940 ↔	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	940	13	\$.23	\$.225	\$.151	\$.136
372728	UT0385-41-880 ⊕	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	880	13	.30	.28	.176	.165
372737	UT1883-81-880 2 1	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.32	.22	.176	.158
372745	UT1885-81-880 ₹ 2	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	.30	.28	.176	.158
372761	UT1883-81-940 ↔	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.25	.197	.129	.097
372779	UT1885-81-940 ↔	1	Infrared emitter diode (GaAs)	T1 3/ ₄	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	.29	.23	.151	.136
372817	UT6W83-AE-940 ₹	3	Infrared emitter diode (GaAs), sidelook	4.45mm x 2.31mm	_	_	_	_	_	1.3V @ 50mA	940	50	.29	.23	.144	.13
372964	UT0393-46-0125 2 1	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	_	_	_	.25	.24	.185	.167
372971	UT0395-46-0125 ⊕2	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	_	_		.25	.24	.185	.167
373000	UT1893-91-0125 ↔	1	Infrared phototransistor	T1 3/4	0.200/5	_	_	_	_	_	_	_	.26	.25	.192	.173
373042	UT6W93-AE-0125 ↔	3	Infrared phototransistor, side view	4.45mm x 2.31mm	_	_	_	_	_	_	_	_	.30	.28	.22	.198
				Other Man	ufactu	ırers	<u> </u>	reat	Dea	ls						
112150	LIR2043 ₹	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	\$.22	\$.18	\$.14	\$.12
133946	SLI-0308CP⊕	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	.62	.53	.40	.31
112176	LPT2023₹	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	_	940	_	.39	.29	.19	.15
106526	LVIR3333	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19	.15
112169	LT1893-82-0125gg	1	Infrared phototransistor	T1 3/4	0.200/5	0.31	1.05	1.10	0.04	_	940	_	.36	.30	.24	.20
120221	BPW77NA	2	Visible light phototransistor	TO-18	_	0.24	0.19	0.52	_	_	850	_	1.99	1.89	1.55	1.21
Long color: 1	- water clear: 2 - blue	مامما														

Lens color: 1 = water clear; 2 = blue clear

LITEON

NEW

Infrared Light Emitters

For more LiteOn Infrared LEDs visit www.Jameco.com

* Minimum order 5 pieces

					Diameter	eter Dimensions (inches)			imensions (inches)					Pric	ing	
Part No.	Cross Ref. No.	Fig.	Description	Size	inch/mm	Α	В	С	D	Vf @ If	nm	mWatts	1	5	50	500
790049	LTE-2871 ₹ ♠	1	Infrared emitter diode	T1 3/4	0.197/5	0.3	0.96	1.00	0.04	1.2V @ 20mA	940	90	*	\$.194	\$.157	\$.123
790057	LTE-302 ₹ ♠	3	Infrared emitter diode, sidelook	4.4mm x 5.7mm	_	_	—	-	_	1.2V @ 20mA	940	75	*	.194	.157	.123
790065	LTE-3376 ₹ ♠	1	Infrared emitter diode	T1 3/4	0.197/5	0.3	0.94	0.98	0.04	1.6V @ 50mA	850	200	*	.295	.273	.262
790073	LTE-4238C ₹ ♠	1	Infrared emilter diode	T1 ¾	0.197/5	0.3	0.96	1.00	0.04	1.3V @ 20mA	880	150	*	.372	.351	.31

JAMECO ValuePro

Part No

392674

392681

392690

392702

392711

392729

Cross

Ref. No

585-1213 🗷

585-1313

585-1413

585-1215

585-1315

585-1415

LED Replacement Lamps - 585 Series

Wavelength

(nm)

625

525

588

625

525

588

• Low current draw – 90% less energy than incandescent • No heat generated • Long life – up to 100k hours • Mounts directly into industry standard socket

Intensity

(mcd) typ

280

500

530

350

300

450

Multi-Chip Based LED T1 - Midget Flange - Polarized

Color

Green

Yellow

Red

Green

Yellow

Ultra Red

Replaces incandescent lamp numbers: 327, 328, 330, 345, 350, 376, 377, 380, 381, 382, 385, 387, and 7341

Forward

Current (mA) typ.

20

14

20

4.5

4.5

4.5



100

\$4.48

4.25

(3.50)

(3.69)

4.25

Pricing

\$5.79

5.49

5.49

5.79

5.49

5 49

10

\$5.65

5.35

4.67

4.92

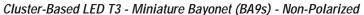
5.35

4 67









Nominal

Voltage

14

14

28

28

28

Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

	Cross		Nominal	Forward	Intensity	Wavelength		Pricing	
Part No.	Ref. No.	Color	Voltage	Current (mA) typ.	(mcd) typ.	(nm)	1	10	100
392551	585-5223 ↔	Red	14	20	7000	630	\$12.19 \$9.45	\$7.99	\$5.99
392569	585-5323 ↔	Green	14	20	6500		\$12.19 9.15	7.76	5.82
392585	585-5523 ↔	Yellow	14	20	7000	588	\$12.79 11.15	9.45	7.09
392593	585-5225 ↔	Red	28	15	6500	630	12.35	11.85	10.39
392606	585-5325 ↔	Green	28	15	6000	525	\$11.29 9.45	8.00	6.00
392622	585-5525 ↔	Yellow	28	15	6000	588	12.95	11.01	8.26
392632	585-5256 ≈	Red	120VAC	5.5	6500	625	9.89	9.64	8.31
392649	585-5356 ↔	Green	120VAC	5.5	7000	525	\$9.65 6.25	5.32	3.99
392665	585-5556 ↔	Yellow	120VAC	5.5	6500	590	\$11.15 6.25	5.32	(3.99)



Replaces incandescent lamp numbers: 44, 47, 313, 755, 757, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

-1			, . , .	-,, - , -	-, - , -	. , , .	,	, , ,	
	Cross		Nominal	Forward	Intensity	Wavelength		Pricing	
Part No.	Ref. No.	Color	Voltage	Current (mA) typ.	(mcd) typ.	(nm)	1	10	100
394476	585-4113⊕	Red	14	20	550	630	\$7.85	\$6.67	\$5.01
394492	585-4115⊕	Red	28	14	350	630	7.85	6.67	5.01

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product 🕀 This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.















LED Panel-Mount Indicators

- · Easy panel installation
- Panel/status/instrument indicators

14111/141129/141137: Chrome housing







637183

	Cross	LED		Dimensions (in.)		Mounting		Pricing				
Part No.	Ref. No.	Size	Color	L	Α	В	Hole	Vf @ If	1	10	100	1000
141111	L922SRD⊕	T1	Red	.56	.34	.25	.23"	2V @ 20mA	\$.70	\$.63	\$.504	\$.378
141129	L913RD ⊕	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.09	.81	.69	.61
141137	L917RD⊕	T13/4	Red	.70	.55	.47	.31"	2V @ 20mA	.89	.79	.71	.55
637183	UT2U1G-H113-R801-W05	T1¾	Green	.55	5.5	5.5	.24"	12V @ 30mA	1.29	1.05	.87	.76

Incandescent Panel Mount Lamps

- 215782/215791/215774: wire length 3.9" (100mm)
- · 215749/215758/215766: wire length 4.9" (125mm)
- 215714/215723/215732: solder terminals 0.196" (5mm)



Cross Ref. No.	Fig.	Voltage	Color	Mounting Hole	1	10	100
R9-46B-W100-12V-R₹	1	12	Red	1/2" (13mm)	\$1.79	\$1.61	\$1.20
R9-46B-W100-12V-Y ≉	1	12	Yellow	1/2" (13mm)	1.65	1.45	1.19
R9-46B-W100-12V-G 🕿	1	12	Green	1/2" (13mm)	1.79	1.61	1.20
R9-55B-W130-12V-R ↔	2	12	Red	9/32" (7mm)	1.79	1.59	1.35
R9-55B-W130-12V-Y ≉	2	12	Yellow	9/32" (7mm)	1.65	1.45	1.19
R9-55B-W130-12V-G ₹	2	12	Green	9/32" (7mm)	1.79	1.59	1.35
R9-71B-05-12V-R⊕	3	12	Red	5/8" (16mm)	1.79	1.61	1.37
R9-71B-05-12V-Y ≉	3	12	Yellow	5/8" (16mm)	1.65	1.45	1.19
R9-71B-05-12V-G ≉	3	12	Green	5/8" (16mm)	1.79	1.61	1.20

Electroluminescence Wires

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap these fluorescent wires around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant colors.

Powered by 2 AA batteries
 Length: 4.5'

Part No.	Product No.	Color	1	10	25
263484	NWRB15⊕	Blue	\$21.95	\$20.95	\$19.95
263505	NWRG15⊕	Green	21.95	20.95	19.95
263492	NWRR15⊕	Red	21.95	20.95	19.95



Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

215803 : R	ed	4000	• 4		
215811: Y	ellow			-1	
215830 : G	reen	215803		215830)
Part No.	Cross R	tef. No.	1	10	100
215803	R9-71N	-05-120V-R ≈	\$1.79	\$1.59	\$1.35
215811	R9-71N	-05-120V-Y⊕	1.79	1.59	1.35
215830	R9-71N	-05-120V-G ≉	1.79	1.59	1.35

Miniature Fluorescent Lamps

Add fluorescent color to your projects, computer case, car and other displays with these economical lights. Now you can easily and affordably mount these 4" light tubes to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V – 800V output needed by lights.

Part No.	Prod. No.	Description	1	10	25
239610	FLW1⊕	White light	\$9.95	\$8.95	\$7.95
239572	FLB1⊕	Blue light	9.95	8.46	6.35
239581	FLBL1⊕	Black light	9.95	8.95	7.95
239628	FLY1⊕	Yellow light	9.95	8.95	7.95
239636	FLPS1⊕	12VDC PS	9.95	8.95	7.95

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.



Lamp Sockets and Lens

Sockets

Part No.

215774

215782

215791

215749

215758

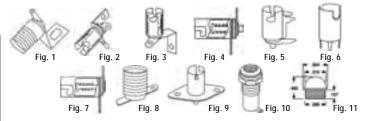
215766

215714

215723

215732

Part No.	Product No.	Fig.	Description	1	10	100
394257	35LH002	1	T3 1/4 screw-mini, non-insulated	\$.61	\$.48	\$.47
394265	35LH003	2	T3 ¼ bayonet-mini, insulated	2.05	1.79	1.71
394273	35LH004	3	T3 ¼ bayonet-mini, non insulated	2.25	1.75	1.71
394281	35LH005	4	T3 1/4 bayonet-mini, insulated	2.25	1.77	1.71
394290	35LH006	5	T3 ¼ bayonet-mini, insulated	2.35	1.86	1.81
394302	35LH007	6	T3 ¼ bayonet-mini, insulated	1.95	1.59	1.51
394311	35LH008	7	T3 1/4 bayonet-mini, insulated	1.95	1.60	1.51
394329	35LH010	8	T3 1/4 screw-mini, insulated	.53	.42	.40
394337	35LH011	9	T3 ¼ bayonet-mini, insulated	1.99	1.58	1.51
394345	352-0100	10	T1 ¾ midget-screw, insulated	1.18	1.00	.90



Lens

· Use with socket, P/N 394345, left

Part No.	Product No.	Fig.	Description	1	10	100	
394370	351-0103	11	Clear, plastic	\$.37	\$.254	\$.238	

CdS Photocells

Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers
 Generate variable signal based on detection of light levels
 Soldering: 230°C for 3 seconds
 Operating temperature: -30°C to +70°C
 Cadmium Sulfide (CdS)





Incandescent Lamps

Quantity SAVE

Incandescent Lamps (Continued)



	Cross		-				Pri	cing	
Part No.	Ref. No.	Fig.	Description	Volts	MSCP	1	5	10	100
209382	13 🗷	1	G3 1/2 miniature screw	3.7	.98	\$.79	\$.75	\$.69	\$.59
209390	14⊕	1	G3 ¹ / ₂ miniature screw	2.47	.50	\$.55 .46	.414	.331	.248
209402	40	2	T3 1/4 miniature screw	6.3	.50	\$.3 ⁵ .21	.189	.151	.113
209411	44	3	T3 1/4 miniature bayonet	6.3	.90	.21 \$.45	.19	.152	.114
209429	46⊕	2	T3 1/4 miniature screw	6.3	.90	\$.45 .37	.333	.283	.226
209437	47⊕	3	T3 1/4 miniature bayonet	6.3	.50	.21	.19	.152	.114
209453	53⊕	4	G3 1/2 miniature bayonet	14.4	1.0	.59	.55	.50	.40
209461	73⊕	5	T1 3/4 wedge	14.0	.30	.26	.24	.209	.182
209470	85⊕	5	T1 3/4 wedge	28.0	.30	.27	.24	.21	.158
209488	86	5	T1 3/4 wedge	6.3	.40	.20	.187	.174	.145
209541	259⊕	6	T3 1/4 wedge	6.3	.65	.27	.247	.223	.176
209550	313⊕	3	T3 1/4 miniature bayonet	28.0	3.5	.23	.21	.198	.149
209701	387⊕	7	T1 3/4 midget flange	28.0	.30 -	\$.3 ⁷ .27	.243	.228	.227
202100	683⊕	8	T1 wire terminal	5.0	.05	.54	.486	.389	.292
209779	715⊕	8	T1 wire terminal	5.0	.15	.91	.82	.70	.525
209787	755⊕	3	T3 ¹ / ₄ miniature bayonet	6.3	.33	\$.4 ⁹ 25	.225	.21	.193
209795	756⊕	3	T3 1/4 miniature bayonet	14.0	.31	.74	.68	.61	.49
209841	1816⊕	3	T3 1/4 miniature bayonet	13.0	3.0	.24	.22	.208	.156
209859	1818⊕	3	T3 1/4 miniature bayonet	24.0	3.3	.81	.78	.75	.56
209867	1819⊕	3	T3 1/4 miniature bayonet	28.0	.34	.23	.21	.198	.149
209875	1820⊕	3	T3 1/4 miniature bayonet	28.0	1.6	.30	.28	.26	.195
209883	1821⊕	9	T3 1/4 screw	28.0	3.4	.99	.89	.79	.59
209921	1847⊕	3	T3 ¹ / ₄ miniature bayonet	6.3	.38	.55	.49	.36	.27

	Cross						Pri	cing	
Part No.	Ref. No.	Fig.	Description	Volts	MSCP	1	5	10	100
209947	1864⊕	3	T3 1/4 miniature bayonet	28.0	3.0	\$.55	\$.50	\$.40	\$.30
141073	2182⊕	10	T1 3/4 wire terminal	14.0	.30	.49	.44	.39	.34
141065	2200⊕	10	T1 3/4 wire terminal	5.0	.05	.59	.54	.49	.44
141057	6833⊕	11	T 3/4 wire terminal	5.0	.05	1.25	1.15	1.07	.80
209998	7219⊕	8	T1 wire terminal	12.0	.15	.35	.29	.25	.19
210008	7328⊕	12	T1 ³ / ₄ bi-pin	6.0	.60	.89	.79	.69	.59
141006	7361⊕	12	T1 3/4 bi-pin	5.0	.05	.99	.89	.79	.69
210032	7382⊕	12	T1 3/4 bi-pin	14.0	.30	.61	.49	.44	.33
210041	7387⊕	12	T1 ³ / ₄ bi-pin	28.0	.30	.85	.77	.62	.465
210059	7632⊕	13	T1 ¹ / ₄ bi-pin	28.0	.32	1.27	1.14	.91	.69
210075	7715⊕	14	T1 bi-pin	5.0	.15	1.19	1.07	.86	.64
309673	6S6	15	S6 candelabra	120	_	.84	.80	.76	.57
210180	28PSB⊕	16	T2 tel. slide base type 5	28.0	1600	.69	.63	.497	.373
210092	120MB 🕿	17	T2 miniature bayonet	120.0	1200	.86	.81	.74	.61
210104	120PSB⊕	16	T2 tel. slide base type 5	120.0	1200	\$.69 .65	.59	.50	.486

Neon Lamps

Lower \$\$\$

		Cross	l I				Pricing			
F	Part No.	Ref. No.	Fig.	Description	Voltage	1	5	10	100	
2	27351	A1A (NE-2)⊕	18	Wire terminal .6mA	65-120		\$.35	\$.31	\$.26	
2	210315	C2A (NE-2H)⊕	18	Wire terminal	65-120	\$.45 .33	.297	.238	.179	

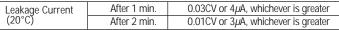
Electrolytic Capacitors

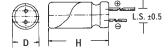
JAMECO ValuePro

♦ Blue Part No. = Limited Quantity Available



Aluminum Radial-Lead Electrolytic Capacitors (±20%)





 $*$ Prepackaged: please order in increments of 10

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

85°C – General Purpose * Prepackaged: please order in increments of 10

	Cross	Value		Size (mm)	<u> </u>	Pric	ing			Cross	Value		Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500	Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500
609043	UVR2A0R1MDD ₹	0.1	100V	5 x 11 x 2	*	\$.098	\$.081	\$.055	609060	UVR2A4R7MDD ₹	4.7	100V	5 x 11 x 2	*	\$.103	\$.088	\$.058
609078	UVR2AR22MDD ₹	0.22	100V	5 x 11 x 2	*	.095	.078	.048	609158	UVR2C4R7MED ₹	4.7	160V	6.3 x 11 x 2.5	*	.119	.08	.048
609086	UVR2AR33MDD ₹	0.33	100V	5 x 11 x 2	*	.095	.078	.048	330596	RA4.7/250 🕿	4.7	250V	8 x 11 x 3.5	*	.112	.094	.083
330465	RA0.47/50 🕿	0.47	50V	5 x 11 x 2	*	.045	.039	.03	609297	UVR2V4R7MPD ₹	4.7	350V	10 x 12.5 x 5	.30	.229	.16	.12
609094	UVR2AR47MDD ₹	0.47	100V	5 x 11 x 2	*	.095	.078	.048	609220	UVR2G4R7MPD ₹	4.7	400V	10 x 16 x 5	.37	.269	.196	.141
330431	RA1/25 🕿	1	25V	5 x 11 x 2	*	.045	.039	.03	198838	R10J/16 ⊕	10	16V	5 x 11 x 2	*	.045	.03	.025
94161	5R1/50 🕿	1	50V	4 x 5 x 1.5	*	.12	.08	.05	94212	5R10/25 🕿	10	25V	4 x 5 x 1.5	*	.13	.08	.05
29832	R1/50 ⊕	1	50V	5 x 11 x 2	*	.063	.053	.042	94220	5R10/35 ⊕	10	35V	5 x 5 x 2	*	.09	.07	.065
609035	UVR2A010MDD 🕿	1	100V	5 x 11 x 2	*	.098	.082	.055	94370	7R10/35 🕿	10	35V	5 x 7 x 2	*	.11	.06	.04
330544	RA1/160 ⊕	1	160V	6 x 11 x 2.5	*	.047	.04	.03	29893	R10/50 🕿	10	50V	5 x 11 x 2	*	.067	.055	.045
330588	RA1/250 🕿	1	250V	6 x 11 x 2.5	*	.065	.06	.053	330482	RA10/63 🕿	10	63V	5 x 11 x 2	*	.056	.047	.038
93730	R2.2/50 ⊕ ⊘	2.2	50V	5 x 11 x 2	*	.038	.03	.023	199049	R10J/100 🕿	10	100V	6 x 11 x 2.5	*	.07	.06	.05
199021	R2.2J/100 ⊕	2.2	100V	5 x 11 x 2	*	.035	.03	.025	330552	RA10/160 ⊕	10	160V	8 x 11 x 3.5	*	.122	.104	.078
609123	UVR2C2R2MED ₹		160V	6.3 x 11 x 2.5	.20	.126	.08	.056	330608	RA10/250 ⊕	10	250V	10 x 15 x 5	*	.16	.133	.114
609182	UVR2E2R2MED 🕿	2.2	250V	6.3 x 11 x 2.5	.22	.141	.097	.066	330632	RA10/350 ⊕	10	350V	10 x 20 x 5	.25	.213	.17	.127
609254	UVR2V2R2MPD 🕿	2.2	350V	8 x 11.5 x 3.5	.27	.182	.128	.088	609203	UVR2G100MHD 🕿	10	400V	12.5 x 20 x 5	.45	.34	.248	.186
609211	UVR2G2R2MPD ₹	2.2	400V	10 x 12.5 x 5	.30	.213	.152	.112	330641	RA10/450 🕀	10	450V	13 x 21 x 5	.46	.414	.333	.241
609051	UVR2A3R3MDD ₹	3.3	100V	5 x 11 x 2	*	.095	.078	.058	198847	R22J/16 🗷	22	16V	5 x 11 x 2	*	.04	.035	.026
609191	UVR2E3R3MPD ₹	3.3	250V	8 x 11.5 x 3.5	.25	.166	.12	.08	189918	R22J/25 ⊕	22	25V	5 x 11 x 2	*	.032	.027	.023
609271	UVR2V3R3MPD ₹	3.3	350V	10 x 12.5 x 5	.30	.229	.16	.12	198942	R22J/35 ⊕	22	35V	5 x 11 x 2	*	.029	.026	.023
330448	RA4.7/25 ⊕ ⊙	4.7	25V	5 x 11 x 2	*	.045	.039	.03	93738	R22/50 ⊕	22	50V	5 x 11 x 2	*	.068	.058	.043
31002	R4.7/50 🕿	4.7	50V	6 x 11 x 2	*	.042	.037	.029	608972	UVR1J220MDD ₹	22	63V	5 x 11 x 2	*	.111	.072	.048

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



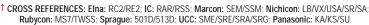


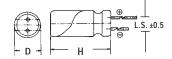
JAMECO ValuePro



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current	After 1 min.	0.03CV or 4μ A, whichever is greater
(20°C)	After 2 min.	0.01CV or 3μ A, whichever is greater





Quantity SAVE

85°C - General Purpose (Continued)

	EAL	LUSIV	-			85°C	– Ge	neral
Blue Part	No. = Limited Quantity	Available	9	* Prepackage	ed: please	order in	increme	nts of 10
	Cross	Value	1	Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500
199056	R22J/100 ⊕ o	22	100V	6 x 11 x 2.5	*	\$.15	\$.09	\$.06
609107	UVR2C220MPD 🕿	22	160V	10 x 16 x 5	.30	.213	.16	.112
609166	UVR2E220MHD ₹	22	250V	12.5 x 20 x 5	.48	.356	.256	.186
609246	UVR2V220MHD ₹	22	350V	12.5 x 25 x 5	.49	.371	.28	.203
330660	RA22/450 🕿	22	450V	16 x 26 x 7.5	.58	.517	.456	.39
198926	R33J/25 ⊕ o	33	25V	5 x 11 x 2	*	.05	.039	.028
609027	UVR1V330MDD 🕿	33	35V	5 x 11 x 2	*	.103	.085	.058
93747	R33/50 🕿	33	50V	6 x 11 x 2.5	*	.055	.05	.045
608999	UVR1J330MED ₹	33	63V	6.3 x 11 x 2.5	*	.126	.088	.064
609131	UVR2C330MPD ₹	33	160V	10 x 20 x 5	.45	.34	.248	.178
609262	UVR2V330MHD ₹	33	350V	16 x 25 x 7.5	.85	.63	.472	.348
330667	RA33/450 🕀 🙃	33	450V	16 x 30 x 7.5	1.09	.97	.86	.62
198863	R47J/16 🕿	47	16V	5 x 11 x 2	*	.04	.032	.023
198952	R47J/35 🕿	47	35V	5 x 11 x 2	*	.05	.04	.03
31116	R47/50 🕿	47	50V	6 x 11 x 2.5	*	.067	.056	.05
330499	RA47/63 ⊕	47	63V	8 x 12 x 3.5	.24	.164	.119	.084
199073	R47J/100 🕿	47	100V	10 x 12 x 5	*	.15	.13	.10
330561	RA47/160S ⊕ •	47	160V	10 x 20 x 5	.53	.399	.30	.223
330616	RA47/250 ⊕	47	250V	13 x 25 x 5	.57	.508	.447	.388
609289	UVR2V470MHD	47	350V	16 x 35.5 x 7.5	1.37	1.04	.78	.57
330676	RA47/450 🕿	47	450V	18 x 30 x 7.5	1.75	1.21	.92	.70
608809	UVR0J101MDD 🕿	100	6.3V	5 x 11 x 2	*	.087	.075	.048
207813	R100/10 🕿	100	10V	5 x 11 x 2	*	.08	.06	.045
330422	RA100/16 🕿	100	16V	5 x 11 x 2	*	.056	.055	.048
94289	5R100/16 ⊕	100	16V	6 x 5 x 2.5	*	.15	.12	.09
94431	7R100/16 🕀	100	16V	6 x 7 x 2.5	*	.15	.12	.09
93763	R100/25 🕿	100	25V	6 x 11 x 2.5	*	.078	.056	.039
198970	R100J/35 🕿	100	35V	6 x 11 x 2.5	*	.07	.06	.05
29964	R100/50 🕿	100	50V	8 x 11 x 3.5	*	.078	.067	.056
330502	RA100/63 🕿	100	63V	8 x 14 x 3.5	*	.122	.104	.078
330528	RA100/100 ⊕	100	100V	10 x 20 x 5	.33	.282	.266	.19
330579	RA100/160S ⊕	100	160V	13 x 16.26 x 26.42	.48	.432	.346	.26
330625	RA100/250 🕿	100	250V	16 x 30 x 7.5	1.25	1.09	.95	.68
609238	UVR2V101MHD ₹	100	350V	18 x 40 x 7.5	1.41	1.07	.83	.61
330683	RA100/450 &	100	450V	22 x 42 x 10.5	3.39	3.03	2.08	1.87
608833	UVR0J221MDD ₹	220	6.3V	5 x 11 x 2	*	.119	.08	.056
135124	7R220/10 ⊕	220	10V	6 x 7 x 2.5	.26	.23	.20	(.15)
198871	R220J/16 ⊕	1 220	16V	6 x 11 x 2.5	*	.11	.07	.06
30498	R220/25 🕿	220	25V	8 x 11 x 3.5	*	.08	.06	.05
93772	R220/35 🕿	220	35V	8 x 12 x 5	*	.09	.08	.07
93780	R220/50	220	50V	10 x 15 x 5	*	.167	.133	.10
330510	RA220/63 ⊕	220	63V	10 x 17 x 5	.27	.235	.188	(.141)
609115	UVR2C221MHD 🗷	220	160V	16 x 35.5 x 7.5	1.29	.98	.73	.527
609174	UVR2E221MRD 🕿	220	250V	20 x 40 x 10	2.69	2.23	1.72	1.29
608868	UVR0J331MED 🗷	! 330	6.3V	6.3 x 11 x 2.5	*	.126	.088	.064
608921	UVR1A331MED	330	! 10V	6.3 x 11 x 2.5	.23	.15	.104	.072
1000721	DOOD HAY 9	1 000	1 100	0.5 11 1 2.5	.23	.10	.104	.072

● Blue Part No. = Limited Quantity Available ** Prepacka

 $*$ Prepackaged: please order in increments of 10

	Cross	Value		Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500
93798	R330/25 🗷	330	25V	8 x 12 x 3.5	*	\$.144	\$.10	\$.089
198977	R330J/35 ⊕	330	35V	10 x 12 x 5	.20	.18	.14	.10
330472	RA330/50 ⊕	330	50V	10 x 20 x 5	.26	.235	.188	.141
609001	UVR1J331MPD ₹	330	63V	10 x 20 x 5	.50	.371	.28	.203
93811	R470/16 🕿	470	16V	8 x 11 x 3.5	*	.11	.103	.099
31182	R470/25 ⊕	470	25V	8 x 14 x 5	*	.133	.111	.083
93819	R470/35 🕿	470	35V	10 x 16 x 5	.19	.17	.15	.13
93827	R470/50 🕿	470	50V	10 x 20 x 5	.32	.31	.21	.14
158465	R470B63 ⊕	470	63V	12 x 20 x 5	.39	.366	.326	.27
609019	UVR1J471MHD ₹	470	63V	12.5 x 20 x 5	.69	.514	.384	.28
199101	R470J/100 &	470	100V	16 x 25 x 7.5	.81	.73	.58	(.43!
609140	UVR2C471MRD 🕿	470	160V	22 x 40 x 10	2.55	1.91	1.46	1.09
330456	RA680/25S ⊕	680	25V	8 x 16 x 3.5	.97	.87	.70	.52
330392	RA1000/10 ⊕	1000	10V	8 x 14 x 3.5	*	.132	.114	.09
30016	R1000/16 ⊕	1000	16V	10 x 16 x 5	*	.16	.14	.12
93835	R1000/25 🕿	1000	25V	10 x 20 x 5	.28	.25	.23	.18
286045	Q399L	1000	35V	12 x 20 x 5	.50	.46	.41	.33
93843	R1000/50 🕿	1000	50V	13 x 25 x 5	.58	.51	.455	.38
608964	UVR1J102MHD	1000	63V	16 x 25 x 7.5	1.11	.84	.63	.45
199111	R1000J/100 🕿	1000	100V	18 x 40 x 7.5	2.29	2.06	1.65	1.24
608841	UVR0J222MPD ₹	2200	6.3V	10 x 20 x 5	.41	.316	.224	.16
608913	UVR1A222MPD 🕿	2200	10V	10 x 20 x 5	.45	.332	.248	.17
133146	R2200/16 ⊕	2200	16V	10 x 20 x 5	.36	.31	.267	.24
30535	R2200/25 🗷	2200	25V	13 x 21 x 5	.61	.545	.444	.33
198986	R2200J/35 🕿	2200	35V	16 x 25 x 7.5	1.39	1.25	.99	.74
608956	UVR1H222MHD 🕿	:	50V	16 x 35.5 x 7.5	1.55	1.14	.87	.62
608981	UVR1J222MHD	2200	63V	18 x 35.5 x 7.5	1.49	1.14	.87	.65
198897	R3300J/16 ⁽¹⁾	3300	16V	12 x 25 x 5	.49	.39	.33	.29
30892	R3300/25 ⊕ ⊙	3300	25V	13 x 29 x 5	.79	.72	.545	.49
198994	R3300J/35 🗷	3300	35V	16 x 35 x 7.5	.87	.72	.67	.57
199013	R3300J/50 🕀	3300	50V	18 x 35 x 7.5	2.15	1.94	1.54	1.16
608876	UVR0J472MHD *	4700	6.3V	12.5 x 20 x 5	.72	.545	.408	.30
608930	UVR1A472MHD	4700	10V	12.5 x 25 x 5				.34
					.87	.65	.488	
198901	R4700J/16 🕿	4700	16V	16 x 25 x 7.5	.79	.71	.57	.43
93851	R4700/25 &	4700	25V	16 x 31 x 7.5	1.10	.94	.78	.61
199005	R4700J/35 🟵	4700	35V	18 x 35 x 7.5	1.15	1.03	.82	(.61
163302	R4700/50 &	4700	50V	22 x 42 x 10	2.25	1.99	1.67	1.45
608884	UVR0J682MHD 🗷	6800	6.3V	12.5 x 25 x 5	.92	.70	.528	.38
31511	R6800/16 &	6800	16V	16 x 26 x 7.5	.97	.88	.70	.55
198934	R6800J/25 &	6800	25V	18 x 35 x 7.5	2.05	1.96	1.49	1.15
608817	UVR0J103MHD R	•	6.3V	16 x 25 x 7.5	1.30	.98	.74	.53
608892	UVR1A103MHD		10V	16 x 35.5 x 7.5	1.48	1.13	.86	.62
608948	UVR1C103MHD			18 x 35.5 x 7.5	1.59	1.18	.90	.64
608825	UVR0J153MHD 🗷			16 x 35.5 x 7.5	1.55	1.15	.87	.62
608905	UVR1A153MHD 🛪			18 x 35.5 x 7.5	1.59	1.19	.90	.64
608850	UVR0J223MHD ₹	22,000	6.3V	18 x 40 x 7.5	1.59	1.19	.91	.68

105°C – HT Type General Purpose

.056

.066

609545	UVZ1H0R1MDD ₹	0.1	50V	5 x 11 x 2	\$.20	\$.126	\$.088	\$.056	609895	UVZ2D010MED ₹	1	200V	6.3 x 11 x 2.5	\$.23	\$.16	\$.114	\$.079
609617	UVZ1HR22MDD ₹	0.22	50V	5 x 11 x 2	.20	.126	.088	.056	609959	UVZ2E010MED ₹	1	250V	6.3 x 11 x 2.5	.23	.166	.112	.072
609625	UVZ1HR33MDD ₹	0.33	50V	5 x 11 x 2	.20	.126	.088	.056	610028	UVZ2W010MPD ₹	1	450V	8 x 11.5 x 3.5	.29	.213	.152	.104
609633	UVZ1HR47MDD ₹	0.47	50V	5 x 11 x 2	.20	.126	.088	.056	609561	UVZ1H2R2MDD ₹	2.2	50V	5 x 11 x 2	*	.103	.088	.058
158481	R0.47B100 ⊕	0.47	100V	5 x 11 x 2	*	.05	.04	.03	607937	UPW1H2R2MDD ₹	2.2	50V	5 x 11 x 2	*	.119	.088	.072
607831	UPW1H010MDD ₹	1	50V	5 x 11 x 2	*	.119	.088	.072	609772	UVZ2A2R2MDD ₹	2.2	100V	5 x 11 x 2	.20	.126	.088	.056
330772	RB1/50 🕿	1	50V	5 x 11 x 2	*	.056	.046	.036	608366	UPW2A2R2MDD ₹	2.2	100V	5 x 11 x 2	.20	.134	.096	.08
608323	UPW2A010MDD ₹	1	100V	5 x 11 x 2	.20	.134	.096	.072	609844	UVZ2C2R2MED ₹	2.2	160V	6.3 x 11 x 2.5	.23	.158	.112	.072
158490	R1B100 ⊕	1	100V	5 x 11 x 2	*	.06	.05	.04	609924	UVZ2D2R2MED ₹	2.2	200V	6.3 x 11 x 2.5	.26	.182	.128	.088

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1

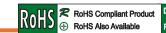
R330J/16 🕿

330

16V

8 x 11 x 3.5

198891





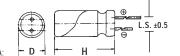
JAMECO ValuePro



EXCLUSIV

Aluminum Radial-Lead Electrolytic Capacitors (±20%) 0.03CV or 4μ A, whichever is greater After 1 min.

Leakage Current (20°C) After 2 min. 0.01CV or $3\mu A$, whichever is greater



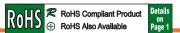
† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

105°C - HT Type General Purpose (Continued)

	Blue Part N	lo. = Limited Quantity	Available	е	* Prepackage					•	No. = Limited Quantity		:	* Prepackage	d: please	order in	incremer	nts of 10
					, , ,													500
			_	1 ×							_		t				100	500
697996				1								1					\$.039	\$.029
MORPHISTORY MATERIAL MATERI		1		1								1					.072	.048
69889E																	.144	.112
609992											_	i					.448	.348
609921											_						.08	.057
SOUTH SOUT												:					.16	.12
		1	:	:									:				.184	.136
609996 UPHINERATION		_ '		:								•					.264	.219
607996																	.128	.104
330781 RBA 750 RBA 7			ı								_	1					.488	.348
60981 UZZZZARTMOP			ı									1					.12	.096
March Marc				1													.152	.12
0.09991 UVZDMR/NIPP 4 / 4 2000 8 x 11 x 3 x 3 x 4 122 0.08155 UVZDMR/NIPP 68 63 8 x 11 x 2 x 3 39 284 28 100 5 x 11 x 2 23 134 135 135 130051 R810716		1		1													.112	.088
330841 REIOTIGO 4.7 2500 8 x 11 x 3.5 x 4 d3 304 305 407 000 407 0		1		1													.208	.162
S008P3 UZZYMERNEP\$ 47, 4500 10 x 20 x 5 54 A03 A04 219 A07671 UZYYMERNEP\$ 82 10V 5 x 11 x 2 2.3 15 A056 A07671 UZYYMERNEP\$ 82 63V 8 x 15 x 35 A27 A221 A07671 UZYYMERNEP\$ 82 63V 8 x 15 x 35 A27 A221 A07671 A0		_															.096	.08
			:								_	:	:				.112	.088
607849 UPVIHIDOMOD				:							_		:				.168	.136
330990 RB10/50 \(\bar{Phi} \)																	.096	.064
609331 UPW2ATOMMED																	.088	.056
608831			ı														.049	.039
18829 RIOBIOO																	.112	.088
330844 RB10/160 ₹ 10 160V 8x11x3.5 * .149 .127 .095 60770 UPWILEIDIMED ₹ 100 .25V 6.3x11x2.5 .27 .205 .1 .609908 UVZZD10MPD ₹ 10 .200V 10x12.5x5 .38 .284 .208 .144 .330747 RB100/35 ⊕ 100 .35V 8x11x3.5 * .084 .206 .610036 UVZZH00MPD ₹ 10 .250V 01x17x5 .22 .207 .181 .162 .30086			1	1									1				.057	.048
Composition	330844	RB10/160 🕿	10	160V	8 x 11 x 3.5	*	.149	.127	.095	607700	UPW1E101MED ₹	100	25V	6.3 x 11 x 2.5	.27	.205	.152	.104
610036 UVZWIOOMHD ₹ 10 450V 12.5 x 20 x 5 82 .62 .464 .332 607857 UPWIHIDIMPD ₹ 100 50V 8 x 11.5 x 3.5 .39 .284 .2 .608059 UPWIJIZOMDD ₹ 12 63V 5 x 11 x 2 .25 .174 .12 .096 606774 UPWIHIDIMPD ₹ 100 50V 8 x 11.5 x 3.5 .25 .205 .1 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	609908	UVZ2D100MPD ₹	10	200V	10 x 12.5 x 5		.284	.208	.144	330747	RB100/35 ⊕	100	35V	8 x 11 x 3.5	*	.084	.08	.074
608059 UPWILIZOMIDD	330861	RB10/250 🕿	10	250V	10 x 17 x 5	.22	.207	.181	.162	158393	R100B50 ⊕ o	100	50V	8 x 11 x 3.5	*	.09	.07	.055
606926 UHELISOMDD ₹ 15 63V 5 x 11 x 2	610036	UVZ2W100MHD ₹	10	450V	12.5 x 20 x 5	.82	.62	.464	.332	607857	UPW1H101MPD ₹	100	50V	8 x 11.5 x 3.5	.39	.284	.208	.162
607110 UHE2A150MED ₹ 15 100V 6.3 x 11 x 2.5	608059	UPW1J120MDD ₹	12	63V	5 x 11 x 2	.25	.174	.12	.096	606774	UHE1H101MPD ₹	100	50V	8 x 11.5 x 3.5	.25	.205	.152	.128
608067 UPWILISOMDD ₹ 18 63V 5 x 11 x 2 .25 .19 .136 .104 607401 UPWILZOMDD ₹ 22 10V 5 x 11 x 2 .25 .174 .12 .096 609748 UVZ2DIOIMD ₹ 20 10V 10 x 20 x 5 .49 .363 .2 .25 .174 .12 .096 609761 UVZ2DIOIMD ₹ 100 .100V 10 x 20 x 5 .49 .363 .2 .25 .174 .12 .096 609661 UVZ2DIOIMD ₹ 100 .200V 16 x 31.5 x 7.5 .1.55 .1.17 .2 .606960 UVZ1DIOIMD ₹ 100 .200V 16 x 31.5 x 7.5 .1.55 .1.17 .2 .25 .174 .12 .096 609661 UVZ2DIOIMD ₹ 100 .200V 16 x 31.5 x 7.5 .1.55 .1.17 .2 .25 .174 .13 .08 .072 .200 .000 .000 .000 .000 .000 .000	606926	UHE1J150MDD ₹	15	63V	5 x 11 x 2	*	.111	.08	.072	608024	UPW1J101MPD ₹	100	63V	10 x 12.5 x 5	.43	.316	.232	.194
607401 UPWIA22MNDD ₹ 22 10V 5 x 11 x 2	607110	UHE2A150MED ₹	15	100V	6.3 x 11 x 2.5	*	.142	.104	.088	608032	UPW1J101MPD6 ₹	100	63V	8 x 15 x 3.5	.43	.316	.232	.194
158326 R22B35⊕ 22 35V 5 x 11 x 2 * x .07 .05 .03 .069916 UVZD101MHD	608067	UPW1J180MDD ₹	18	63V	5 x 11 x 2	.25	.19	.136	.104	330827	RB100/63 ⊕	100	63V	10 x 13 x 5	*	.149	.132	.114
607890 UPWIH220MDP ₹ 22 50V 5 x 11 x 2	607401	UPW1A220MDD ₹	22	10V	5 x 11 x 2	*	.126	.09	.085	609748		100	100V	10 x 20 x 5	.49	.363	.264	.194
606811 UHEIH220MDD ₹ 22 50V 5 x 11 x 2				35V	5 x 11 x 2	*	.07	.05	.03				200V	16 x 31.5 x 7.5	1.45	1.10	.83	.59
330801 RB22/50 ⊕ 22 50V 6 x 11 x 2.5 * .067 .055 04 606619 UHE1C121MED												:	i				.89	.67
609650 UVZ1J220MDD ₹ 22 63V 5 x 11 x 2 .23 .166 .12 .072 607726 UPWIE121MED ₹ 120 25V 6.3 x 12 x 2.5 .28 .205 .1 608083 UPWIJ220MED ₹ 22 63V 6.3 x 11 x 2.5 .25 .19 .136 .104 606791 UHE1H121MPD ₹ 120 50V 8 x 15 x 3.5 .27 .221 .1 609975 UVZ2C220MPD ₹ 22 160V 10 x 16 x 5 .44 .324 .232 .17 606900 UHE1J121MPD ₹ 120 63V 8 x 20 x 3.5 .33 .269 .2 609975 UVZ2C220MHD ₹ 22 250V 12.5 x 20 x 5 .51 .387 .288 .211 607101 UHE2A121MPD ₹ 120 100V 10 x 31.5 x 5 .36 .284 .2 607929 UPWIH270MDD ₹ 27 50V 5 x 11 x 2 .25 .174 .12 .096 607048 UHE1V151MPD ₹ 150 .35V 8 x 11.5 x 3.5 .20 .158 .1 609713 UVZ1V330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIV330MDD ₹ 150 .35V 8 x 11.5 x 3.5 .20 .158 .1 609704 UHE1V330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIC151MPD ₹ 150 .100V 12.5 x 25 x 5 .27 .221 .1 607945 UPWIH330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIC151MPD ₹ 150 .100V 12.5 x 25 x 5 .27 .221 .1 607945 UPWIH330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIC151MPD ₹ 150 .100V 12.5 x 25 x 5 .107 .81 .66 609704 UPWIH330MDD ₹ 33 .35V 5 x 11 x 2 .23 .158 .112 .072 607840 UPWIC151MED ₹ 150 .100V 12.5 x 25 x 5 .26 .19 .1 60991 UPWIH330MED ₹ 33 .50V 5 x 11 x 2 .23 .158 .112 .072 607840 UPWIH31MPD ₹ 180 .16V 6.3 x 12 x 2.5 .44 .356 .2 609684 UVZ1J330MED ₹ 33 .50V 6.3 x 11 x 2.5 .25 .19 .136 .104 .608075 UPWIH330MED ₹ 180 .63V 10 x 20 x 5 .44 .356 .2 609684 UVZ1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 .089 .60934 UHE1J181MPD ₹ 180 .63V 10 x 20 x 5 .44 .356 .2 608969 UHE1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .16 .12 .607259 UPWUJ221MED ₹ 220 .63V 5 x 11 x 2 .22 .142 .1 607128 UHE2A181MHD ₹ 180 .100V 12.5 x 25 x 5 .44 .356 .2 608969 UHE1J330MED ₹ 33 .100V 8 x 11.5 x 3.5 .30 .229 .16 .12 .607259 UPWUJ221MED ₹ 220 .63V 6.3 x 11 x 2.5 .25 .19 .1 600846 UVZ12330MPD ₹ 33 .100V 8 x 11.5 x 3.5 .30 .229 .16 .12 .0066555 UHE1A221MED ₹ 220 .10V 6.3 x 11 x 2.5 .25 .19 .1 6008486 UPWIV390MD ₹ 33 .35V 5 x 11 x 2 .25 .174 .12 .096 .609481 UVZ1221MED ₹ 220 .10V 6.3 x 11 x 2.5 .25 .19 .1 6008486 UPWIV390			:									:	:				.12	.096
608083 UPWIJ220MED ₹ 22 63V 6.3 x 11 x 2.5 25 .19 .136 .104 606791 UHE1H121MPD ₹ 120 50V 8 x 15 x 3.5 .27 .221 .1 609828 UVZ2C220MPD ₹ 22 160V 10 x 16 x 5 .44 .324 .232 .17 606900 UHE1J121MPD ₹ 120 63V 8 x 20 x 3.5 .33 .269 .2 610044 UVZ2W220MHD ₹ 22 250V 12.5 x 20 x 5 .51 .387 .288 .211 607101 UHE2A121MPD ₹ 120 100V 10 x 31.5 x 5 .36 .284 .2 610044 UVZ2W220MHD ₹ 22 450V 16 x 25 x 7.5 1.16 .87 .66 .47 608198 UPWIJ151MPD ₹ 150 .35V 8 x 11.5 x 3.5 .30 .229 .1 609791 UPWIH270MDD ₹ 27 50V 5 x 11 x 2 .25 .174 .12 .096 607048 UHE1J121MPD ₹ 150 .35V 8 x 11.5 x 3.5 .20 .158 .1 607012 UHE1J330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIJ151MPD ₹ 150 .50V 10 x 12.5 x 5 x 5 .27 .221 .1 609570 UVZ1H330MDD ₹ 33 .50V 5 x 11 x 2 .23 .158 .112 .072 607841 UPWIJ181MPD ₹ 180 .50V 8 x 20 x 3.5 .47 .356 .2 607945 UPWIJ1330MED ₹ 33 .50V 5 x 11 x 2 .23 .158 .112 .072 608064 UVZ1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 608075 UPWIJ181MPD ₹ 180 .63V 12.5 x 15 x 5 .68 .514 .3 609684 UVZ1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 .089 60934 UHE1J181MPD ₹ 180 .63V 10 x 20 x 5 .44 .356 .2 606969 UHE1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 .089 60934 UHE1J181MPD ₹ 180 .63V 12.5 x 15 x 5 .68 .514 .3 609684 UVZ1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 .089 60934 UHE1J181MPD ₹ 180 .63V 12.5 x 25 x 5 .44 .356 .2 606969 UHE1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 .089 60934 UHE1J181MPD ₹ 180 .63V 12.5 x 25 x 5 .44 .356 .2 606969 UHE1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .27 .205 .144 .112 .0696 60934 UHELJ181MPD ₹ 180 .60V 12.5 x 25 x 5 .44 .356 .2 60934 UPW22330MPD ₹ 33 .63V 6.3 x 11 x 2.5 .25 .174 .12 .096 60934 UVZ02330MPD ₹ 220 .63V 6.3 x 11 x 2.5 .25 .174 .12 .096 609481 UVZ02330MPD ₹ 220 .10V 6.3 x 11 x 2.5 .25 .174 .12 .096 609481 UVZ10221MED ₹ 220 .10V 6.3 x 11 x 2.5 .25 .19 .1 .1000000000000000000000000000000												:	:				.08	.072
609828 UVZC220MPD ₹ 22 160V 10 x 16 x 5 .44 .324 .232 .17 660900 UHEIJ121MPD ₹ 120 63V 8 x 20 x 3.5 .33 .269 .2 609975 UVZC220MHD ₹ 22 250V 12.5 x 20 x 5 .51 .387 .288 .211 607101 UHE2A121MPD ₹ 120 100V 10 x 31.5 x 5 .36 .284 .2 607099 UPWIHZ70MDD ₹ 27 50V 5 x 11 x 2 .25 .174 .12 .096 607048 UHEIJ121MPD ₹ 150 .35V 8 x 11.5 x 3.5 .30 .229 .1 607991 UVZVX330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIX330MDD ₹ 33 .35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPWIX330MDD ₹ 33 .35V 5 x 11 x 2 .23 .158 .112 .072 607540 UPWIX330MDD ₹ 33 .50V 5 x 11 x 2 .23 .158 .112 .072 607881 UPWIH330MED ₹ 180 .63V 12.5 x 5 .26 .19 .1 609684 UVZ1J330MED ₹ 33 .63V 6.3 x 11 x 2.5 .25 .19 .136 .104 608075 UPWIJ181MHD ₹ 180 .63V 12.5 x 5 .5 .43 .356 .2 609984 UPZJ330MED ₹ 33 .63V 6.3 x 11 x 2.5 .27 .205 .144 .112 607128 UHE1J181MPD ₹ 180 .63V 12.5 x 5 x 5 .44 .356 .2 609991 UVZ2A330MPD ₹ 33 .250V 12.5 x 25 x 5 .43 .316 .232 .194 609991 UVZ2A330MPD ₹ 33 .250V 12.5 x 20 x 5 .59 .442 .32 .235 .668 .231 12.2 .20 .10V 6.3 x 11 x 2.5 .25 .19 .136 .104 .089 60934 UHE1J181MPD ₹ 180 .63V 12.5 x 15 x 5 .68 .514 .3 .3609991 UVZ2A330MPD ₹ 33 .250V 12.5 x 20 x 5 .43 .316 .232 .194 609991 UVZ2A330MPD ₹ 33 .250V 12.5 x 20 x 5 .59 .442 .32 .235 .666555 UHE1A221MED ₹ .200 .10V 6.3 x 11 x 2.5 .25 .19 .146 .111 .85 .64 .232 .194 609991 UVZ2A330MPD ₹ 33 .450V 16 x 35.5 x 7.5 1.46 1.11 .85 .64 .311758 R220B10 ₹ .220 .10V 6.3 x 11 x 2.5 .25 .19 .156008286 UPWIV390MDD ₹ 39 .350V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ122330MPD ₹ .200 .10V 6.3 x 11 x 2.5 .25 .19 .11 .200 .200 .200 .200 .200 .200 .200		1		:													.152	.12
609975 UVZ2E20MHD ₹ 22 250V 12.5 x 20 x 5 .51 .387 .288 .211 607101 UHE2A121MPD ₹ 120 100V 10 x 31.5 x 5 .36 .284 .2																	.168	.136
610044 UVZZWZ20MHD																	.20	.17
607929 UPW1H270MDD ₹ 27 50V 5 x 11 x 2 .25 .174 .12 .096 607048 UHE1V151MPD ₹ 150 35V 8 x 11.5 x 3.5 .20 .158 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1			ı									1	ı				.216	.186
609713 UVZ1V330MDD₹ 33 35V 5 x 11 x 2 .20 .15 .104 .072 606803 UHE1H151MPD₹ 150 50V 10 x 12.5 x 5 .27 .221 .1 .1 .088 608243 UPW1V330MDD₹ 33 35V 5 x 11 x 2 .24 .166 .112 .088 608340 UPW2A151MHD₹ 150 100V 12.5 x 25 x 5 1.07 .81 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6				1													.16	.12
608243 UPWIV330MDP ≈ 33 35V 5 x 11 x 2 24 .166 .112 .088 608340 UPWIV390MDP ≈ 150 100V 12.5 x 25 x 5 1.07 .81 .6 607072 UHE1V330MDP ≈ 33 35V 5 x 11 x 2 * 111 .08 .072 607540 UPWILSIMED ≈ 180 16V 6.3 x 12 x 2.5 .26 .19 .1 609570 UVZ1H330MDP ≈ 33 50V 5 x 11 x 2 .23 .158 .112 .072 607881 UPWIH3IMPD ≈ 180 50V 8 x 20 x 3.5 .47 .356 .2 607945 UPWIH330MED ≈ 33 63V 6.3 x 11 x 2.5 .25 .19 .136 .104 608075 UPWIJ18IMHD6 ≈ 180 63V 12.5 x 15 x 5 .68 .514 .3 609684 UVZ1J330MED ≈ 33 63V 6.3 x 11 x 2.5 .26 .174 .128 .088 606934 UHE1J18IMPD ≈ 180 63V 10 x 20 x 5 .44 .356 .2 606969 UHE1J330MED ≈ 33 63V 6.3 x 11 x 2.5 .27 .205 .144 .112 607128 UHE2A18IMHD ≈ 180 100V 12.5 x 25 x 5 .44 .356 .2 609781 UVZ2A330MPD ≈ 33 100V 8 x 11.5 x 3.5 .30 .229 .16 .12 607259 UPW0J22IMED ≈ 220 6.3V 5 x 11 x 2.5 .25 .174 .1 608374 UPW2A330MPD ≈ 33 100V 8 x 15 x 3.5 .43 .316 .232 .194 607419 UPW1A22IMED ≈ 220 10V 6.3 x 11 x 2.5 .26 .19 .1 600991 UVZ2E330MHD ≈ 33 450V 16 x 35.5 x 7.5 1.46 1.11 .85 .64 609481 UVZ1022IMED ≈ 220 10V 6 x 31 x 2.5 .25 .19 .1 609286 UPW1V390MD ≈ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1022IMED ≈ 220 16V 6.3 x 11 x 2.5 .25 .19 .1 1000 1000 12.5 x 25 x 5 .19 .1 1000 12.5 x 25 x 5 .19 .1 1000 12.5 x 25 x 5 .19 .1000 12.5 x 25 x 5 .1000 12.5 x 20 x 5 .5000 12.5 x 20 x 5 .500				1													.12 .168	.104
607072 UHEIV330MDD ₹ 33 35V 5 x 11 x 2												2					.61	.47
609570 UVZ1H330MDD₹ 33 50V 5 x 11 x 2 .23 .158 .112 .072 607881 UPW1H81MPD₹ 180 50V 8 x 20 x 3.5 .47 .356 .2 607945 UPW1H330MED₹ 33 50V 6.3 x 11 x 2.5 .25 .19 .136 .104 608075 UPW1J181MHD6₹ 180 63V 12.5 x 15 x 5 .68 .514 .3 608084 UVZ1J330MED₹ 33 63V 6.3 x 11 x 2.5 .26 .174 .128 .088 606934 UHE1J181MPD₹ 180 63V 10 x 20 x 5 .44 .356 .2 606969 UHE1J330MED₹ 33 63V 6.3 x 11 x 2.5 * .142 .104 .089 60934 UWZ2J21MDD₹ 220 6.3V 5 x 11 x 2 .22 .142 .1 609781 UVZ2A330MPD₹ 33 100V 8 x 11.5 x 3.5 .30 .229 .16 .12 607259 UPW0J221MED₹ 220 6.3V 6.3 x 11 x 2.5 .25 .174 .1 608374 UPW2A330MPD₹ 33 100V 8 x 15 x 3.5 .43 .316 .232 .194 607419 UPW1A221MED₹ 220 10V 6.3 x 11 x 2.5 .26 .19 .1 610061 UVZ2W330MHD₹ 33 450V 16 x 35.5 x 7.5 1.46 1.11 .85 .64 609481 UVZ1C221MED₹ 220 10V 6 x 11 x 2.5 .25 .19 .1 608286 UPW1V390MDD₹ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1C221MED₹ 220 16V 6.3 x 11 x 2.5 .25 .19 .1		1		1						I						_	.136	.104
607945 UPW1H330MED \$\mathbb{R}\$ 33 50V 6.3 x 11 x 2.5 25 .19 .136 .104 608075 UPW1J181MHD6 \$\mathbb{R}\$ 180 63V 12.5 x 15 x 5 .68 .514 .3 609684 UVZ1J330MED \$\mathbb{R}\$ 33 63V 6.3 x 11 x 2.5 26 .174 .128 .088 606934 UHE1J181MPD \$\mathbb{R}\$ 180 63V 10 x 20 x 5 .44 .356 .2 606969 UHE1J330MED \$\mathbb{R}\$ 33 63V 6.3 x 11 x 2.5 \$\mathbb{R}\$.142 .104 .089 609334 UVZ0J221MDD \$\mathbb{R}\$ 220 6.3V 5 x 11 x 2 .22 .142 .1 609781 UVZ2A330MPD \$\mathbb{R}\$ 33 100V 8 x 11.5 x 3.5 .30 .229 .16 .12 607259 UPW0J221MED \$\mathbb{R}\$ 220 6.3V 6.3 x 11 x 2.5 .25 .174 .1 609991 UVZ2E330MHD \$\mathbb{R}\$ 33 250V 12.5 x 20 x 5 .59 .442 .32 .235 606555 UHE1A221MED \$\mathbb{R}\$ 220 10V 6.3 x 11 x 2.5 .45 .39 .3 608286 UPW1V390MDD \$\mathbb{R}\$ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1221MED \$\mathbb{R}\$ 220 16V 6.3 x 11 x 2.5 .25 .19 .1																	.264	.219
609684 UVZ1J330MED 33 63V 6.3 x 11 x 2.5 26 .174 .128 .088 608104 UPW1J330MED 33 63V 6.3 x 11 x 2.5 .27 .205 .144 .112 606969 UHE1J330MED 33 63V 6.3 x 11 x 2.5			•	:									:				.376	.292
608104 UPWIJ330MED \$\mathbb{R}\$ 33 63V 6.3 x 11 x 2.5 2.7 2.05 1.44 1.12 607128 UHE2A181MHD \$\mathbb{R}\$ 180 100V 12.5 x 25 x 5 .44 3.36 2.2 606969 UHE1J330MED \$\mathbb{R}\$ 33 63V 6.3 x 11 x 2.5 * 1.42 1.04 0.89 609334 UVZ0J221MDD \$\mathbb{R}\$ 220 6.3V 5 x 11 x 2 2.2 1.42 1.0609781 UVZ2A330MPD \$\mathbb{R}\$ 33 100V 8 x 11.5 x 3.5 3.0 2.29 1.6 1.2 607259 UPW0J221MED \$\mathbb{R}\$ 220 6.3V 6.3 x 11 x 2.5 2.5 1.74 1.060991 UVZ2E330MHD \$\mathbb{R}\$ 33 250V 12.5 x 20 x 5 5.9 4.42 3.2 2.35 606555 UHE1A221MED \$\mathbb{R}\$ 220 10V 6.3 x 11 x 2.5 * 1.34 1.0610061 UVZW330MHD \$\mathbb{R}\$ 33 450V 16 x 35.5 x 7.5 1.46 1.11 85 .64 009481 UVZ1C221MED \$\mathbb{R}\$ 220 10V 6 x 31 x 2.5 2.5 1.79 1.096 609481 UVZ1C221MED \$\mathbb{R}\$ 220 16V 6.3 x 11 x 2.5 2.5 1.9 1.096				:							_		•				.272	.272
606969 UHEIJ330MED ₹ 33 63V 6.3 x 11 x 2.5 * .142 .104 .089 609781 UVZ2A330MPD ₹ 33 100V 8 x 11.5 x 3.5 .30 .229 .16 .12 608374 UVZ2A330MPD ₹ 33 100V 8 x 15 x 3.5 .43 .316 .232 .194 607991 UVZ2E330MHD ₹ 33 250V 12.5 x 20 x 5 .59 .442 .32 .235 606555 UHE1A221MED ₹ 220 10V 6.3 x 11 x 2.5 .26 .19 .1 610061 UVZ2W330MHD ₹ 33 450V 16 x 35.5 x 7.5 1.46 1.11 .85 .64 00981 UVZ1CE31MED ₹ 220 10V 6 x 11 x 2.5 .45 .39 .3 608286 UPW1V390MD ₹ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1CE21MED ₹ 220 16V 6.3 x 11 x 2.5 .25 .19 .1																	.272	.227
609781 UVZ2A330MPD ₹ 33 100V 8 x 11.5 x 3.5 .30 .229 .16 .12 608374 UPW2A330MPD ₹ 33 100V 8 x 15 x 3.5 .43 .316 .232 .194 609991 UVZ2E330MHD ₹ 33 250V 12.5 x 20 x 5 .59 .442 .32 .235 606555 UHE1A221MED ₹ 220 10V 6.3 x 11 x 2.5 .25 .174 .1 .1 .1 .85 .64 UPW1V390MDD ₹ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1C221MED ₹ 220 16V 6.3 x 11 x 2.5 .25 .19 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1			ı									1					.104	.072
608374 UPW2A330MPD6₹ 33 100V 8 x 15 x 3.5 .43 .316 .232 .194 609991 UVZ2E330MHD₹ 33 250V 12.5 x 20 x 5 .59 .442 .32 .235 610061 UVZ2W330MHD₹ 33 450V 16 x 35.5 x 7.5 1.46 1.11 .85 .64 UPW1V390MDD₹ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1221MED₹ 220 16V 6.3 x 11 x 2.5 .26 .19 .1 .10 .10 .10 .10 .10 .10 .10 .10 .10			ı											l I			.12	.096
609991 UVZ2E330MHD ₹ 33 250V 12.5 x 20 x 5 .59 .442 .32 .235 606555 UHE1A221MED ₹ 220 10V 6.3 x 11 x 2.5 * .134 .1				_													.136	.104
610061 UVZ2W330MHD ₹ 33 450V 16 x 35.5 x 7.5 1.46 1.11 .85 .64 UPW1V390MDD ₹ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1C221MED ₹ 220 16V 6.3 x 11 x 2.5 .25 .19 .1				1													.104	.088
608286 UPW1V390MDD₹ 39 35V 5 x 11 x 2 .25 .174 .12 .096 609481 UVZ1C221MED₹ 220 16V 6.3 x 11 x 2.5 .25 .19 .1				1													.36	.33
												:					.136	.096
. ו בו. הבילו אלו אלו אלו בין על הייסים בעליים וועס בייסים בייסים בייסים בייסים אלו וייסים בייסים אלו ויסים בייסים אלו הייסים בייסים בייסים אלו ויסים בייסים	607144	UHE2A390MPD ₹	•	100V	8 x 15 x 3.5	.21	.166	.128	.104	158263	R220B25 🕿	220	25V	8 x 11 x 3.5	*	.12	.09	.07
				:							_		:	l I			.232	.194
		UHE1E470MDD ₹		25V				.08		608219	UPW1V221MPD6 ₹	220	35V			.324	.232	.194

① This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.





EXCLUSIVE

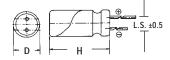
JAMECO ValuePro



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current	After 1 min.	0.03CV or 4μ A, whichever is greater
(20°C)	After 2 min.	0.01CV or 3µA, whichever is greater

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



105°C - HT Type General Purpose (Continued)

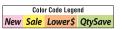
* Prenackaged:	nlasca	ordor	in	incromonte	of 10

Part No.	Cross								# Prepackaged: please order in increme Cross Value Size (mm) Pricing							$\overline{}$	
		Value						500		Cross			Size (mm)				
	Ref. No. †	(μF)	:						Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500
330755	RB220/35S ⊕	220	35V	8 x 16 x 3.5	*	\$.149	\$.127	\$.095	606766	UHE1E681MPD 🕿	680	25V	10 x 20 x 5	\$.44	\$.356	\$.272	\$.227
607902	UPW1H221MPD 🛪	220	50V	10 x 16 x 5	.47	.356	.264	.219	608315	OI WIVOOIWIID	680	35V	12.5 x 20 x 5	.84	.60	.456	.373
606820	UHE1H221MPD 🕿	220	50V	10 x 16 x 5	.33	.269	.20	.17	607099	UHE1V681MPD ?	680	35V	10 x 31.5 x 5	.57	.458	.352	.292
158406	R220B50 ⊕	220	1 50V	10 x 12 x 5	.36	.306	.27	.26	606871	UHE1H681MHD 🕿	680	50V	12.5 x 31.5 x 5	.72	.58	.44	.373
609668	UVZ1J221MPD R	220	63V	10 x 16 x 5	.55	.403	.296	.219	608163	UPW1J681MHD ?	680	63V	16 x 25 x 5	1.17	.88	.66	.56
608091	UPW1J221MPD6		i 63V	10 x 25 x 5	.83	.62	.456	.389	606993	UHE1J681MHD	680	63V	12.5 x 40 x 5	.88	.68	.518	.454
606942	UHE1J221MPD 🕏	220	63V	10 x 25 x 5	.44	.356	.272	.227	607179	UHE2A681MHD R	680	100V	18 x 35.5 x 7.5	1.39	1.09	.83	.71
609764 608358	UVZ2A221MHD RUPW2A221MHD R	220 220	100V	12.5 x 25 x 5 16 x 25 x 7.5	.83 1.17	.62 .88	.464	.34 .56	607355 607689	UPW1C821MPD R	820	6.3V 16V	8 x 15 x 3.5 10 x 20 x 5	.39	.284 .45	.208	.162 .292
609836	UVZ2C221MHD R	220	160V	16 x 25 x 7.5	1.17	1.14	.66 .87	.65	607013	UHE1J821MHD	820 820	. 63V	16 x 31.5 x 7.5	1.23	.45	.73	.63
606951	UHE1J271MPD	270	! 63V	10 x 35.5 x 7.5	.59	.474	.36	.308	606432	UHE0J102MPD		. 6.3V	8 x 15 x 3.5	*	.142	.112	.096
	UVZ0J331MED 🕿	330	i 6.3V	6.3 x 11 x 2.5	.26	.174	.128	.088	607187	_	1000		10 x 12.5 x 5	.43	.316	.232	.194
607275	UPW0J331MED	330	6.3V	6.3 x 11 x 2.5	.30	.205	.144	.112	609422	UVZ1A102MPD	1000	1 10V	10 x 12.5 x 5	.43	.316	.24	.174
606483	UHE0J331MED ₹	330	i 6.3V	6.3 x 11 x 2.5	*	.126	.096	.08	607363	UPW1A102MPD6 ₹		ı	8 x 20 x 3.5	.48	.356	.256	.194
606651	UHE1C331MPD	330	1 16V	8 x 11.5 x 5	.25	.205	.152	.128	606512	UHE1A102MPD	1000		8 x 20 x 3.5	.34	.269	.208	.17
607566	UPW1C331MPD ₹		16V	8 x 11.5 x 3.5	.39	.284	.208	.162	606521	UHE1A102MPD6 ₹		10V	10 x 16 x 5	.34	.269	.208	.17
	RB330/16 ⊕	330	16V	8 x 11 x 3.5	*	.102	.08	.057	609465	UVZ1C102MPD	1000	16V	10 x 16 x 5	.50	.316	.28	.203
609537	UVZ1E331MPD	330	25V	10 x 12.5 x 5	.29	.213	.16	.104	607515	UPW1C102MPD 🛪		16V	10 x 20 x 5	.60	.45	.336	.292
607777	UPW1E331MPD6 ₹	330	25V	8 x 15 x 3.5	.40	.292	.208	.17	606601	_	1000	16V	10 x 20 x 5	.43	.348	.264	.219
606707	UHE1E331MPD ₹	330	25V	8 x 15 x 3.5	.24	.19	.144	.12	330722	RB1000/16 🕿	1000	16V	10 x 20 x 5	.23	.216	.19	.171
609721	UVZ1V331MPD	330	35V	10 x 12.5 x 5	.34	.253	.176	.128	158298	R1000B25	1000	25V	10 x 20 x 5	.35	.29	.25	.19
608251	UPW1V331MPD ₹	330	. 35V	10 x 16 x 5	.54	.403	.296	.243	607718	UPW1E102MHD ₹	1000	25V	12.5 x 20 x 5	.81	.60	.44	.348
608260	UPW1V331MPD6 ₹	330	35V	8 x 20 x 3.5	.54	.403	.296	.243	608171	UPW1V102MHD ₹	1000	35V	12.5 x 25 x 5	.94	.70	.528	.454
607081	UHE1V331MPD ₹	330	35V	10 x 16 x 5	.38	.308	.232	.194	607021	UHE1V102MHD ₹	1000	35V	12.5 x 25 x 5	.69	.56	.424	.365
607953	UPW1H331MPD ₹	330	50V	10 x 20 x 5	.64	.482	.36	.292	158377	R1000B35 ⊕	1000	35V	10 x 20 x 5	.49	.45	.40	.35
606846	UHE1H331MPD ₹	330	50V	10 x 25 x 5	.44	.356	.272	.227	609553	UVZ1H102MHD ₹	1000	50V	12.5 x 25 x 5	.79	.58	.432	.316
609692	UVZ1J331MPD ₹	330	63V	10 x 20 x 5	.62	.466	.344	.243	607865	UPW1H102MHD ₹	1000	50V	16 x 25 x 7.5	1.17	.88	.66	.56
608112	UPW1J331MHD ≈	330	63V	12.5 x 20 x 5	.84	.62	.456	.365	606782	UHE1H102MHD ₹	1000	50V	12.5 x 40 x 5	.87	.68	.518	.454
607136	UHE2A331MHD ₹	330	100V	12.5 x 40 x 5	1.21	.96	.72	.62	608041	UPW1J102MHD ₹	1000	63V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
609852	UVZ2C331MHD 🕿	330	160V	18 x 40 x 7.5	1.89	1.42	1.08	.81	606889	UHE1J102MHD ₹		63V	12.5 x 40 x 5	1.23	.97	.73	.63
608294	UPW1V391MPD ₹		35V	10 x 16 x 5	.68	.514	.376	.292	606897		1000	63V	18 x 31.5 x 7.5	1.23	.97	.73	.63
608121	UPW1J391MHD6	1	63V	18 x 15 x 7.5	.97	.73	.544	.437	609756	UVZ2A102MHD 🕿	1000	ı	18 x 40 x 7.5	1.89	1.44	1.10	.82
606977	UHE1J391MHD ₹	390	63V	18 x 15 x 7.5	.69	.56	.424	.365	606459		1200		8 x 20 x 3.5	.30	.245	.184	.152
607152	UHE2A391MHD	390	100V	16 x 31.5 x 7.5	1.23	.97	.73	.63	607216	UPW0J122MPD ₹		6.3V	8 x 20 x 3.5	.44	.324	.232	.178
609385	UVZ0J471MED 🛪	470	6.3V	6.3 x 11 x 2.5	.25	.19	.136	.096	607224	UPW0J122MPD6 ₹			10 x 16 x 5	.47	.356	.264	.211
	UPW1A471MPD		100	8 x 11.5 x 3.5	.38	.277	.20	.144	607380	UPW1A122MPD		10V	10 x 20 x 5	.53	.403	.296	.235
606571	UHE1A471MPD 🕿		10V	8 x 11.5 x 3.5	.24	.198	.152	.128	606547	UHE1A122MPD 🕏		10V	10 x 20 x 5	.38	.308	.232	.194
607603	UPW1C471MPD		16V	10 x 12.5 x 5	.41	.30	.216	.17	606627	UHE1C122MPD		16V	10 x 25 x 5	.39	.316	.24	.203
607611	UPW1C471MPD6		16V	8 x 15 x 3.5	.41	.30	.216	.17	606694	UHE1E122MHD 🕏	1200	25V	18 x 15 x 7.5	.64	.521	.392	.332
158203	R470B16 ⊕	470	16V	8 x 11 x 3.5	*	.12	.10	.09	608180 607030	UPW1V122MHD ₹ UHE1V122MHD ₹		35V 35V	12.5 x 31.5 x 5	1.17	.88	.66	.56
606678 158289	UHE1C471MPD ₹ R470B25 ⊕	470 470	1 16V 1 25V	8 x 15 x 3.5 10 x 15 x 3.5	.26	.205 .15	.16 .12	.136 .10	606918	UHE1J122MHD R	1200	63V	12.5 x 31.5 x 5 16 x 40 x 7.5	.88 1.39	.68 1.09	.518 .83	.454 .71
606731	UHE1E471MPD ≈	470	25V	8 x 20 x 3.5	.38	.308	.12	.10	607232	UPW0J152MPD		6.3V	10 x 20 x 5	.47	.356	.83	.71
606740	UHE1E471MPD6		25V 25V	10 x 16 x 5	.38	.308	.232	.194	607398	UPW1A152MPD6 ₹		1 0.3V	10 x 20 x 5	.55	.419	.304	.235
	UPW1E471MPD 🛪			10 x 16 x 5	.53	.403	.296	.235	607531	UPW1C152MHD			12.5 x 20 x 5	.84	.62	.456	.365
	UPW1E471MPD6 ₹		25V	8 x 20 x 3.5	.53	.403	.296	.235	606635	UHE1C152MPD			10 x 31.5 x 5	.57	.458	.352	.303
	UPW1V471MPD		35V	10 x 20 x 5	.69	.514	.384	.332	607734	UPW1E152MHD ≈		•	16 x 25 x 7.5	.94	.70	.528	.429
	_	470	35V	10 x 15 x 5	.31	.268	.215	.161	607742	UPW1E152MHD6 ₹	1500	25V	12.5 x 25 x 5	.94	.70	.528	.429
	UVZ1H471MHD		. 50V	12.5 x 20 x 5	.82	.62	.464	.324	607873	UPW1H152MHD ₹	1500	50V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
	UPW1H471MHD		. 50V	12.5 x 20 x 5	.80	.59	.448	.348	606467	UHE0J182MHD ₹			12.5 x 15 x 5	.35	.284	.216	.186
	UHE1H471MPD ₹		50V	10 x 31.5 x 5	.59	.474	.36	.30	607751	UPW1E182MHD ₹			12.5 x 31.5 x 5	1.17	.88	.66	.56
	UPW1J471MHD6 ₹		63V	12.5 x 31.5 x 5	.97	.73	.55	.437	607056	UHE1V182MHD ₹			12.5 x 40 x 5	.92	.71	.54	.47
	UHE1J471MHD ₹		63V	12.5 x 31.5 x 5	.72	.58	.44	.373	607267	UPW0J222MPD6 ₹			10 x 25 x 5	.62	.466	.344	.292
	UPW1H561MHD ₹		50V	12.5 x 25 x 5	.97	.73	.55	.437	609342	UVZ0J222MPD ₹			10 x 20 x 5	.51	.356	.248	.203
	UHE0J681MPD ₹	680	6.3V	8 x 11.5 x 3.5	.24	.198	.152	.128	606475	UHE0J222MPD ₹		-	10 x 25 x 5	.43	.348	.264	.219
	UHE1A681MPD ₹		10V	8 x 15 x 3.5	.25	.205	.152	.128	607427	UPW1A222MHD ₹			12.5 x 20 x 5	.79	.59	.44	.348
607654	UPW1C681MPD ₹	680	16V	10 x 16 x 5	.51	.387	.288	.235	606563	UHE1A222MPD ₹	2200	10V	10 x 31.5 x 5	.55	.442	.28	.20
607662	UPW1C681MPD6 ₹	680	16V	8 x 20 x 3.5	.51	.387	.288	.235	609490	UVZ1C222MHD ₹	2200	16V	12.5 x 20 x 5	.80	.59	.448	.324

RoHS Compliant Product

RoHS Also Available



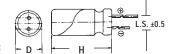


JAMECO Value Pro



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current	After 1 min.	0.03CV or 4µA, whichever is greater
(20°C)	After 2 min.	0.01CV or 3μ A, whichever is greater



† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

105°C – HT Type General Purpose (Continued)

	Cross	Value		Size (mm)		Pric	ing			Cross	Value		Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500	Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500
606643	UHE1C222MHD ₹	2200	16V	12.5 x 25 x 5	\$.69	\$.56	\$.424	\$.365	607312	UPW0J472MHD6 ₹	4700	6.3V	12.5 x 31.5 x 5	\$.93	\$.70	\$.52	\$.437
609705	UVZ1V222MHD ₹	2200	35V	16 x 25 x 7.5	1.34	1.02	.76	.543	607478	UPW1A472MHD ₹	4700	10V	16 x 25 x 7.5	1.14	.86	.64	.51
608227	UPW1V222MHD ₹	2200	35V	16 x 30.5 x 7.5	1.38	1.06	.81	.64	606580	UHE1A472MHD ₹	4700	10V	12.5 x 35.5 x 5	.88	.68	.518	.454
608235	UPW1V222MHD6 ₹	2200	35V	18 x 26.2 x 3.5	1.38	1.06	.81	.64	609511	UVZ1C472MHD 🕿	4700	16V	16 x 25 x 7.5	1.46	1.14	.81	.61
607064	UHE1V222MHD ≈	2200	35V	16 x 31.5 x 7.5	1.24	.98	.73	.64	607620	UPW1C472MHD ≈	4700	16V	16 x 31.5 x 7.5	1.44	1.10	.83	.64
607911	UPW1H222MHD ₹		50V	18 x 35.5 x 7.5	1.95	1.46	1.12	.91	607638	UPW1C472MHD6 ₹	4700	16V	18 x 25 x 7.5	1.44	1.10	.83	.64
606838	UHE1H222MHD6 ₹	2200	50V	18 x 35.5 x 7.5	1.49	1.14	.87	.83	606758	UHE1E472MHD ₹	4700	25V	16 x 40 x 7.5	1.55	1.19	.91	.78
158431	R2200B50 ⊕	2200	•	16 x 35 x 7.5	.99	.89	.71	.53	607814	UPW1E472MHD ₹	4700	25V	18 x 35.5 x 7.5	1.46	1.12	.85	.75
609676	UVZ1J222MHD ₹	2200	63V	18 x 35.5 x 7.5	1.65	1.26	.96	.73	607321	UPW0J562MHD ₹	5600	6.3V	12.5 x 35.5 x 5	1.17	.88	.66	.56
607435	UPW1A272MHD ₹			12.5 x 25 x 5	.82	.61	.448	.365	607646	UPW1C562MHD ₹			16 x 35.5 x 7.5	1.55	1.16	.88	.70
607558	UPW1C272MHD ≈	2700	16V	16 x 31.5 x 7.5	1.22	.92	.70	.56	609406	UVZ0J682MHD ₹	6800	6.3V	12.5 x 25 x 5	1.13	.86	.64	.462
607769	UPW1E272MHD ₹			16 x 25 x 7.5	1.38	1.06	.81	.64	607339	UPW0J682MHD ₹	6800	6.3V	16 x 25 x 7.5	1.19	.90	.68	.55
609377	UVZ0J332MPD ₹			13 x 20 x 5	.56	.419	.312	.227	607347	UPW0J682MHD6 ₹			18 x 20 x 7.5	1.19	.90	.68	.55
607283	UPW0J332MHD ₹		6.3V	13 x 20 x 5	.82	.61	.448	.356	609457	UVZ1A682MHD ₹			16 x 25 x 7.5	1.49	1.14	.87	.62
606491	UHE0J332MHD ₹		6.3V	12.5 x 20 x 5	.57	.458	.352	.292	607486	UPW1A682MHD ₹			16 x 31.5 x 7.5	1.55	1.16	.88	.70
609449	UVZ1A332MHD ₹			12.5 x 20 x 5	.82	.59	.448	.324	607494	UPW1A682MHD6 ₹	: :		18 x 25 x 7.5	1.55	1.16	.88	.70
607443	UPW1A332MHD6 ₹		•	12.5 x 31.5 x 5	.69	.521	.384	.292	609529	UVZ1C682MHD ₹			16 x 35.5 x 7.5	1.79	1.35	1.03	.76
607574	UPW1C332MHD ₹			16 x 25 x 7.5	1.26	.95	.71	.543	607697	UPW1C822MHD ₹	8200	16V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
607582	UPW1C332MHD6 ₹			12.5 x 35.5 x 5	1.26	.95	.71	.543	609318		10,000		16 x 25 x 7.5	1.41	1.08	.83	.62
606660	UHE1C332MHD ₹			12.5 x 35.5 x 5	.92	.71	.54	.47	606441	UHE0J103MHD6 ₹			18 x 15 x 7.5	1.30	1.02	.77	.66
607785	UPW1E332MHD6 ₹			18 x 25 x 7.5	1.45	1.10	.84	.67	607195	UPW0J103MHD ₹			16 x 31.5 x 7.5	1.55	1.16	.88	.70
606715	UHE1E332MHD ₹			16 x 31.5 x 7.5	1.24	.98	.73	.64	607208	UPW0J103MHD6 ₹	1 .,		18 x 25 x 7.5	1.55	1.16	.88	.70
608278	UPW1V332MHD ₹			18 x 35.5 x 7.5	1.79	1.35	1.03	.84	607371	UPW1A103MHD ₹			18 x 35.5 x 7.5	1.89	1.43	1.09	.95
609588	UVZ1H332MHD ₹			18 x 35.5 x 7.5	2.15	1.60	1.24	.92	606539	UHE1A103MHD ₹			16 x 40 x 7.5	1.45	1.11	.85	.82
607291	UPW0J392MHD ₹			12.5 x 25 x 5	.91	.68	.52	.446	609473		10,000		18 x 35.5 x 7.5	1.89	1.44	1.09	.82
607451	UPW1A392MHD ₹	•	•	12.5 x 35.5 x 5	.93	.70	.52	.437	609326		15,000		16 x 35.5 x 7.5	1.79	1.35	1.03	.73
607591	UPW1C392MHD ₹			16 x 25 x 7.5	1.44	1.10	.83	.64	607241	UPW0J153MHD ₹			18 x 35.5 x 7.5	1.89	1.43	1.09	.95
609393	UVZ0J472MHD ₹			12.5 x 20 x 5	.83	.62	.472	.34	609431	UVZ1A153MHD ₹			18 x 35.5 x 7.5	1.89	1.44	1.09	.82
607304	UPW0J472MHD ₹	4700	6.3V	16 x 25 x 7.5	.93	.70	.52	.437	609351	UVZ0J223MHD ₹	22,000	6.3V	18 x 40 x 7.5	2.09	1.58	1.22	.92

85°C - General Purpose

Quantity SAVE

100

\$.095

.10

.135

.19

.148

.29

.41

.27

.40

.49

1.50

500

\$.071

.09

.117

.13

.106

.16

307

.206

.30

.43

.66

1.31

* Prepackaged: please order in increments of 10

* \$.099

.29 .27

.20 .178

.41 .32

.52

.38 .34

.55

.71

.99

1.99 1.79

Pricing 10

.12

.153

.46

.49

.65

Size (mm)

DxHxL.S.

8 x 11 x 3.5

10 x 12 x 5.0

10 x 16 x 5.0

12 x 20 x 5.0

10 x 16 x 5.0

10 x 20 x 5.0

12 x 25 x 5.0

12 x 20 x 5.0

12 x 25 x 5.0

16 x 25 x 7.5

16 x 31 x 7.5

22 x 42 x 10.0

16 x 35 x 7.5 \$

					0	ther I	Manui	factur	er	s — Gre	eat Deals*		
				* Prepackaç	ged: pleas	e order in	increme	nts of 10					
	Cross	Value		Size (mm)		Pric	ing				Cross	Value	
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500		Part No.	Ref. No.†	(μF)	Voltag
29831	R1/50	1	50V	5 x 11 x 2.0	*	\$.057	\$.048	\$.038		93809	R470/16	470	16V
93729	R2.2/50	2.2	50V	5 x 11 x 2.0	.20	.034	.03	.023		31181	R470/25	470	25V
31000	R4.7/50	4.7	50V	5 x 11 x 2.0	*	.038	.033	.026		93817	R470/35	470	35V
29891	R10/50	10	50V	5 x 11 x 2.0	*	.06	.05	.04		93825	R470/50	470	50V
93737	R22/50	22	50V	5 x 11 x 2.0	*	.032	.027	.02		30015	R1000/16	1000	16V
93753	R47/25	47	25V	5 x 11 x 2.0	*	.068	.059	.049		93833	R1000/25	1000	25V
31114	R47/50	47	50V	6 x 11 x 2.5	*	.06	.05	.045		93841	R1000/50 ⊕	1000	50V
207811	R100/10	100	10V	5 x 11 x 2.0	*	.06	.051	.038)	133145	R2200/16	2200	16V
93761	R100/25	100	25V	6 x 11 x 2.5	*	.07	.05	.035		30533	R2200/25	2200	25V
29962	R100/50	100	50V	8 x 11 x 3.5	*	.07	.06	.05		30891	R3300/25	3300	25V
30496	R220/25	220	25V	8 x 11 x 3.5	*	.08	.06	.05		93850	R4700/25	4700	25V
93778	R220/50	220	50V	10 x 12 x 5.0	*	.15	.12	.09		163301	R4700/50	4700	50V
93796	R330/25 🕀	330	25V	10 x 12 x 5.0	*	.118	.084	.061)	31510	R6800/16	6800	16V

^{*} Capacitor dimensions and styles may vary.

Free Technical



* Capacitor dimensions and styles may vary.

Support

Our knowledgeable Tech Support department is ready to answer your questions.

Just call us! 1-800-831-4242

🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on pag

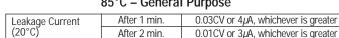


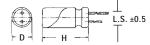


IAMECO ValuePro

Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

85°C - General Purpose





† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/V/X/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU Rlue Part No. - Limited Quantity Available

				* Prepackage	d: please	order in	incremen	ts of 10
	Cross	Value	<u> </u>	Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500
330941	RN1/50 ≈	1	50V	5 x 11 x 2.0	*	\$.159	\$.085	\$.075
331053	RN1/100 ⊕	1	100V	5 x 11 x 2.0	*	.169	.135	.101
330958	RN2.2/50 ⊕	2.2	50V	5 x 11 x 2.0	*	.159	.085	.064
331029	RN2.2/63⊕	2.2	63V	5 x 11 x 2.0	.27	.243	.194	.145
331061	RN2.2/100 ⊕	2.2	100V	5 x 11 x 2.0	*	.169	.071	.053
330966	RN3.3/50 ⊕	3.3	50V	5 x 11 x 2.0	*	.171	.094	.071
331070	RN3.3/100 ⊕	3.3	100V	5 x 11 x 2.0	.21	.189	.095	.071
330907	RN4.7/25 ↔	4.7	25V	5 x 11 x 2.0	.28	.243	.194	.145
221000	DN/4 7/100 (2)	17	1001/	6 v 11 v 2 5	21	100	005	071

5 x 11 x 2.0

				₩ blue	Part No. =	Liiiiileu Q	uanny A	vallable	
	Cross	Value	i	Size (mm)	Pricing				
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500	
330982	RN10/50 ↔	10	50V	8 x 11 x 3.5	\$.22	\$.198	\$.114	\$.105	
331096	RN10/100 ⊕	10	100V	8 x 11 x 3.5	.22	.198	.114	.085	
330878	RN22/16⊕	22	16V	5 x 11 x 2.0	.26	.234	.187	.14	
330923	RN22/25 ⊕	22	25V	5 x 11 x 2.0	.32	.288	.23	.173	
330991	RN22/50 ⊕	22	50V	6 x 11 x 2.5	.33	.31	.144	.108	
331037	RN22/63 ⊕	22	63V	8 x 11 x 3.5	.45	.405	.324	.243	
331109	RN22/100 ⊕	22	100V	10 x 15 x 5.0	.33	.297	.171	.128	
331002	RN47/50⊕o	47	50V	8 x 11 x 3.5	.46	.414	.331	.248	
331117	RN47/100 ⊕	47	100V	10 x 20 x 5.0	.51	.455	.345	.259	
330894	RN100/16 ⊕	100	16V	8 x 11 x 3.5	.45	.405	.365	.328	
331012	RN100/507	100	50V	10 x 17 x 5.0	.69	.63	.467	.359	

85°C - Non-Polarized High-Frequency (Horizontal Deflection)

.194 (.146)

	Cross	Value		Size (mm)		Pric	ing		Γ		Cross	Value		Size (mm)	Γ
Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	1	10	100	500	- 1	Part No.	Ref. No.†	(μF)	Voltage	DxHxL.S.	
331125	RN1/25S ↔	1	25V	8 x 11 x 3.5	\$.37	\$.348	\$.186	\$.14) [:	331168	RN5.6/25S ⊕	5.6	25V	8 x 11 x 3.5	Ī
331205	RN1/50S ⊕	1	50V	8 x 11 x 3.5	.37	.348	.186	.14) :	331248	RN5.6/50S ⊕	5.6	50V	8 x 14 x 3.5	
331133	RN2.2/25S ⊕	2.2	25V	8 x 11 x 3.5	.37	.348	.186	.14) :	331176	RN6.8/25S ⊕	6.8	25V	8 x 11 x 3.5	
331213	RN2.2/50S ⊕	2.2	50V	8 x 11 x 3.5	.37	.348	.186	.14) ;	331256	RN6.8/50S ⊕	6.8	50V	8 x 14 x 3.5	ı
331141	RN3.3/25S ⊕	3.3	25V	8 x 11 x 3.5	.37	.348	.186	.14) [331184	RN8.2/25S ⊕	8.2	25V	8 x 14 x 3.5	
331221	RN3.3/50S ⊕	3.3	50V	8 x 11 x 3.5	.37	.348	.186	.14) [331264	RN8.2/50S ⊕	8.2	50V	10 x 15 x 5.0	
331151	RN4.7/25S	4.7	25V	8 x 11 x 3.5	.37	.348	.186	.14	- :	331192	RN10/25S⊕	10	25V	8 x 14 x 3.5	
331230	RN4 7/50S €	47	50V	8 x 11 x 3 5	37	348	186	14) [:	331272	RN10/50S ↔ i	10	50V	10 x 15 x 5 0	ı

.243

.28

JAMECO ValuePro

RN10/25 ⊕

10

25V

330915



Aluminum Axial-Lead Electrolytic Capacitors

General purpose 85°C maximum -40°C to +85°C Operating temperature range

Quantity SAVE

2

Pricing 10 100 500

\$.186

.226

.186

.249

.226

.293 .226 \$.14

.17

.14

224

\$.348

.423

.348

.423

.423

.548

.423

\$.37

.45

.37

.45

45

.58

.45

Leakage Current (After 2 minutes 20°C) 0.02CV or $2\mu A$, whichever is greater

†CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

© Blue Part No. = Limited Quantity Available * Prepackaged: please order in increments of 10					nts of 10					⊕ Blu	ie Part No.	= Limited	Quantity .	Available			
	Cross	Value	:	Size (mm)		Pric	ing			Cross	Value		Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxH	1	10	100	500	Part No.	Ref. No.†	(μF)	Voltage	DxH	1	10	100	500
10868	A1/50 🕿	1	50V	5 x 13	*	\$.15	\$.104	\$.078	199291	A220J/25 ⊕ ⊙	220	25V	8 x 16	\$.30	\$.27	\$.241	\$.221
11078	A4.7/50 🕿	4.7	50V	6 x 13	*	.11	.097	.073	199363	A220J/35 ⊕	220	35V	10 x 17	.26	.23	.195	.146
331301	AB4.7/63 ⊕	4.7	63V	6 x 12	.23	.197	.143	.105	11018	A220/50 ⊕	220	50V	10 x 17	.26	.235	.216	.194
199260	A10J/25 🕿	10	25V	5 x 12	.20	.174	.15	.139	331352	AB220/63 ⊕	220	63V	10 x 20	.55	.461	.369	.277
93578	A10/35 ⊕	10	35V	6 x 13	*	.133	.107	.08	199372	A330J/35 🕿	330	35V	10 x 17	.44	.367	.333	.25
10883	A10/50 ⊕	10	50V	6 x 12	*	.167	.14	.105	199216	A470J/16 ⊕	470	16V	8 x 16	.34	.273	.245	.184
331311	AB10/63 ₹	10	63V	6 x 12	*	.15	.128	.096	199312	A470J/25 ⊕	470	25V	10 x 17	.40	.36	.288	.216
331424	AB10/450 ⊕ 🌣	10	450V	13 x 25	1.08	.99	.89	.67	199381	A470J/35 🕿	470	35V	10 x 21	.50	.404	.371	.278
199267	A22J/25 ⊕ 🌣	22	25V	6 x 12	.22	.197	.141	.105	11122	A470/50 🏵	470	50V	13 x 21	.59	.49	.42	.34
10999	A22/50 🕿	22	50V	6 x 12	*	.19	.14	.11	331281	AB1000/10 ⊕	1000	10V	10 x 17	.51	.414	.331	.248
331328	AB22/63 ⊕	22	63V	8 x 12	.22	.198	.158	.119	93632	A1000/16 ⊕	1000	16V	10 x 20	.51	.46	.42	.347
331433	AB22/450 ₹	22	450V	16 x 26	1.99	1.66	1.51	1.37	10956	A1000/25 🕿	1000	25V	10 x 20	.66	.54	.49	.38
199179	A47J/16 ⊕	47	16V	6.3 x 12	.20	.134	.114	.085	93651	A1000/35 🕿	1000	35V	13 x 25	.94	.83	.66	.545
135321	A47/25 🕿	47	25V	8 x 16	*	.15	.14	.096	147258	A1000/50 🕿	1000	50V	16 x 25	.88	.77	.66	.545
11107	A47/50 🕿	47	50V	8 x 16	*	.19	.14	.11	199321	A2200J/25 ⊕	2200	25V	16 x 28	1.09	.90	.78	(.59)
331336	AB47/63 ⊕	47	63V	8 x 16	.19	.171	.145	.108	93658	A2200/35 🕿	2200	35V	16 x 30	1.25	1.10	.99	.85
331361	AB47/100 ↔	47	100V	10 x 17	.34	.273	.218	.163	199478	A2200J/50 ⊕	2200	50V	18 x 42	2.15	1.93	1.54	1.15
331395	AB47/160 ⊕	47	160V	13 x 21	.75	.57	.368	.331	93666	A3300/25 ⊕	3300	25V	16 x 32	1.10	.99	.88	.66
331441	AB47/450 ↔	47	450V	16 x 30	3.25	2.74	2.49	2.26	199398	A3300J/35 ↔	3300	35V	18 x 37	3.39	2.93	2.29	1.72
199187	A100J/16 ⊕	100	16V	6.3 x 16	.24	.22	.19	.16	199487	A3300J/50 ₹	3300	50V	22 x 43	2.19	1.96	1.77	1.59
199284	A100J/25 ₹	100	25V	8 x 16	.25	.20	.18	.15	199232	A4700J/16 ⊕	4700	16V	16 x 30	1.45	1.30	1.04	.78
10912	A100/50 ⊕	100	50V	8 x 20	.31	.28	.26	.23	93675	A4700/25 🕿	4700	25V	16 x 30	1.69	1.49	1.29	.99
331379	AB100/100 ⊕ む	100	100V	10 x 20	.85	.73	.57	.47	199401	A4700J/35 ⊕	4700	35V	18 x 40	2.79	2.51	2.01	1.51
331408	AB100/160 ⊕	100	160V	16 x 26	1.79	1.53	1.22	.91	158811	A4700A50 🕿	4700	50V	25 x 43	2.79	2.29	2.09	1.79
331416	AB100/250 ⊕	100	250V	16 x 30	2.45	2.09	1.93	1.80	199241	A6800J/16 ⊕	6800	16V	16 x 33	1.24	1.11	1.00	.90
331299	AB150/50 ⊕	150	50V	10 x 17	.96	.86	.69	.518	199339	A6800J/25 ⊕	6800	25V	18 x 40	2.35	2.12	1.69	1.27
199195	A220J16 ⊕	220	16V	8 x 16	.20	.18	.152	.114	93682	A10000/16 ↔	10000	16V	16 x 33	2.49	2.28	1.83	1.32

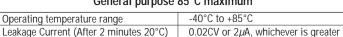
ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

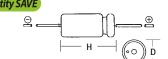




Aluminum Axial-Lead Electrolytic Capacitors

General purpose 85°C maximum





†CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

					0	ther I	Manui	facture
				* Prepacka	ged: pleas	se order ir	increme	nts of 10
	Cross	Value		Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxH	1	10	100	500
10866	A1/50	1	50V	5 x 13	*	\$.111	\$.094	\$.07
11076	A4.7/50	4.7	50V	6 x 13	*	.162	.117	.099
93577	A10/35	10	35V	6 x 13	*	.155	.132	.099
10882	A10/50	10	50V	6 x 12	*	.15	.12	.08
10997	A22/50	22	50V	6 x 12	*	.17	.126	.09
135319	A47/25	47	25V	8 x 16	.25	.135	.115	.086
11105	A47/50 ⊕	47	50V	8 x 16	.21	.19	.14	.10
93551	A100/35	100	35V	8 x 16	.27	.22	.19	.15
10911	A100/50	100	50V	8 x 20	.27	.239	.191	.143

rs — Gr	eat veais*							
	Cross	Value		Size (mm)		Pric	ing	
Part No.	Ref. No.†	(μF)	Voltage	DxH	1	10	100	500
11121	A470/50	470	50V	13 x 31	\$.99	\$.89	\$.71	\$.532
93631	A1000/16	1000	16V	13 x 27	.46	.41	.38	.36
10954	A1000/25	1000	25V	13 x 31	.52	.456	.365	.306
93649	A1000/35	1000	35V	13 x 26	.49	.44	.35	.263
147256	A1000/50	1000	50V	16 x 31	.79	.69	.59	.49
11033	A2200/16	2200	16V	16 x 40	.79	.71	.65	.59
93665	A3300/25	3300	25V	16 x 32	1.19	1.07	.95	.83
93673	A4700/25	4700	25V	22 x 39	1.55	1.34	1.16	.89
93681	A10000/16	10000	16V	22 x 51	2.25	2.05	1.85	1.49

Capacitor dimensions and styles may vary

JAMECO **Value**Pro

Aluminum Axial-Lead Non-Polarized Electrolytic Capacitors

85°C - General purpose

	Cross	Value		Size (mm)	Pricing				
Part No.	Ref. No.†	(μF)	Voltage	DxH	1	10	100	500	
331521	AN1/50 ⊕	1	50V	6 x 16	\$.35	\$.342	\$.266	\$.209	
331635	AN1/100 ⊕	1	100V	6 x 16	.37	.32	.264	.198	
331540	AN2.2/50 🕿	2.2	50V	6 x 16	.40	.38	.295	.228	
331547	AN3.3/50 ⊕	3.3	50V	6 x 16	.35	.315	.248	.186	
331555	AN4.7/50 ⊕	4.7	50V	6 x 16	.45	.405	.324	.243	
331643	AN4.7/100 ⊕	4.7	100V	6 x 16	.58	.50	.42	.315	
331483	AN10/25 ⊕	10	25V	6 x 16	.39	.35	.28	.21	
331563	AN10/50 ⊕	10	50V	6 x 16	.57	.513	.41	.307	
331651	AN10/100 ⊕	10	100V	8 x 16	.62	.535	.45	.338	
331459	AN22/16 ⊕	22	16V	6 x 16	.39	.351	.281	.211	
331491	AN22/25 ⊕	22	25V	6 x 16	.43	.387	.31	.232	
004574	ANIOO/FO (A)	- 00	I 501/	1 11		E 47	4/4	240	

Voltage

EXCLUSIVE

	Cross	Value		Size (mm)				
Part No.	Ref. No.†	μ F)	Voltage	DxH	1	10	100	500
331660	AN22/100 ⊕	22	100V	10 x 18	\$.86	\$.77	\$.62	\$.465
331580	AN33/50 ⊕	33	50V	8 x 16	.69	.62	.50	.375
331678	AN33/100 ⊕	33	100V	10 x 20	.87	.78	.62	.465
331504	AN47/25 ⊕	47	25V	6 x 16	.51	.459	.367	.275
331598	AN47/50 ⊕	47	50V	8 x 16	.85	.77	.62	.47
331686	AN47/100 ⊕	47	100V	10 x 21	1.39	1.25	1.00	.75
331467	AN100/16 ⊕	100	16V	8 x 16	.53	.477	.382	.287
331512	AN100/25 ⊕	100	25V	8 x 20	.57	.513	.41	.307
331601	AN100/50 ⊕	100	50V	10 x 18	.91	.87	.66	.495
331694	AN100/100 ⊕	100	100V	13 x 25	2.35	2.12	1.91	1.72
331475	AN220/16 ⊕	220	16V	8 x 20	.75	.68	.54	.41
331619	AN220/50 ⊕	220	50V	13 x 25	1.15	1.00	.84	(.63)

JAMECO ValuePro

331627

Part No

AN22/63 ⊕

Ref. No.

.345 Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

100

Part No

Ref. No.

.46

10

· Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing

 Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C \ Can-Top safety vent † CROSS REFERENCES: Aero M: LP/LPR; Elna: LP3/LP4; Illinois Capacitor: LBA/LPR; Mallory: LPX; Marcon: CEAWF;



Size (mm)

DxH

25 x 40

23 x 41





Pricing

100

Nichicon: LLK/LLQ; Panasonic: TS-UP/TS-U; Phillips (MEPCO): 3487/3489; Rubycon: RSP; Sprague: 80D/82D; United Chemicon: SMG(VN)/SMH(VN) Cross Value Size (mm) Pricing Cross Value

3.35

.63 .55

331838	SNA68/450 ⊕	68	450V	22 x 30	\$2.55	\$2.12	\$1.59	332048	SNA560/250 ⊕	560	250V	30 x 40	\$2.95	\$2.80	\$2.10
331926	SNB100/200 ⊕	100	200V	30 x 40	1.95	1.50	.81	331977	SNB680/200 ⊕	680	200V	25 x 40	3.05	2.59	2.28
331846	SNA120/450 ⊕	120	450V	22 x 40	3.19	2.33	1.52	331820	SNA680/250 ⊕	680	250V	25 x 48	3.79	2.86	1.77
331766	SNA220/200 ⊕ 🌣	220	200V	22 x 27	1.89	1.42	.91	332056	SNB680/250 ⊕	680	250V	25 x 48	3.89	2.89	2.08
331934	SNB220/200 ⊕	220	200V	22 x 27	2.19	1.81	1.36	331985	SNB820/200 ⊕	820	200V	25 x 48	3.19	2.71	2.03
331791	SNA220/250 ⊕	220	250V	22 x 36	2.35	1.65	1.02	332064	SNB820/250 ⊕	820	250V	30 x 48	4.35	3.70	2.77
332013	SNB220/250 ⊕	220	250V	22 x 36	1.99	1.89	1.25	331993	SNB1000/200 ⊕	1,000	200V	30 x 40	4.39	3.80	2.10
331775	SNA330/200 ₹	330	200V	25 x 35	2.55	1.49	1.29	331890	SNB3300/50 ≈	3,300	50V	25 x 23	2.59	2.29	2.09
331942	SNB330/200 ⊕	330	200V	25 x 30	1.75	1.66	1.37	331740	SNA3300/80 ⊕	3,300	80V	22 x 48	2.35	2.23	(1.67)
331803	SNA330/250 ⊕	330	250V	22 x 36	1.95	1.74	1.41	331898	SNB4700/50₹	4,700	50V	25 x 30	2.19	1.99	1.79
332021	SNB330/250 ⊕	330	250V	22 x 36	2.25	1.91	1.44	115422	SN4700/50 ⊕	4,700	50V	30 x 41	2.19	2.00	1.50
203246	SN330/400 ⊕	330	400V	30 x 46	4.25	3.61	2.70	331723	SNA4700/63 ⊕	4,700	63V	25 x 40	3.29	2.86	2.54
331862	SNA330/450 ⊕	330	450V	35 x 48	6.15	5.32	2.94	331900	SNB6800/50 ⊕	6,800	50V	25 x 40	2.69	2.40	1.82
331951	SNB470/200 ⊕	470	200V	22 x 41	1.99	1.69	1.26	331759	SNA8200/807	8,200	80V	35 x 53	6.35	4.76	2.95
331811	SNA470/250 ⊕	470	250V	25 x 40	3.05	2.30	1.43	331707	SNA10000/16 ⊕	10,000	16V	22 x 30	3.29	1.90	1.34
332030	SNB470/250 ⊕	470	250V	25 x 40	2.35	1.96	1.47	331901	SNB10000/50%	10,000	50V	25 x 41	2.69	2.40	1.99
203263	SN470/400/5	470	450V	35 x 51	8.25	7.60	5.69	157737	SN10000/50 ↔	10,000	50V	35 x 40	4.95	4.10	3.99
331782	SNA560/200 ⊕	560	200V	25 x 36	2.99	2.12	1.22	331732	SNA10000/63	10,000	63V	35 x 40	5.49	4.45	3.94
1		•	•	1				1				1			

Capacitor dimensions may vary ➡ Blue Part No. = Limited Quantity Available

200V

35 x 41

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Other Manufacturers — Great Deals'

331716

155889

SNA15000/25 2

SN560/200 8

15,000

1.40

\$4.05



2.35

1.78

\$1.59

331969

SNB560/200 ⊕

SN470/400/4 ⊕

Mylar, Memory Back-Up & Dipped Tantalum Capacitors

Mylar Capacitors (±10%)

Metallized Polyester Film Capacitors

- · High performance at low cost
- · Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: ≤0.01 (at 1kHz)
- · Dielectric strength: 150% of rated voltage for 5 sec



**Cross References: Panasonic: ECQ-E Series; Sprague: DF/450P/451P/453P; Westlake: 160/168/ 185/167/184/186; Rubycon: MC/MN; Mepco: 713A1/719A1/ C280: TRW: X601PE/ X601CPE: Packtron: MF/RB: Secor: MMKS/MMKR/MMDR: RIFA: PHE353/ PHE354; Roederstein: MKT 1818/MKT 1822; WIMA: MKS; CSF Thompson: MD/ MC; Siemens: B325X-XX; NIC: NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

				* Preраскадеа	. picase	Pric		113 01 10
	Cross	Value	Volt.	Size (mm)*				
Part No.	Ref. No.†	(μF)	(V)	LxTxH	1	10	100	1000
26833	MY.001	.001	100	7.0 x 3.0 x 7.0	*	\$.092	\$.062	\$.048
26868	MY.0022	.0022	100	6.0 x 3.0 x 10.0	*	.055	.05	.038
26876	MY.0047	.0047	100	6.0 x 3.0 x 9.0	*	.14	.119	.107
26884	MY.01	.01	100	6.0 x 3.0 x 7.0	*	.13	.096	.091
26905	MY.022	.022	100	6.0 x 3.0 x 10.0	*	.13	.095	.071
26921	MY.033	.033	100	8.0 x 4.0 x 11.0	*	.11	.088	.084
207861	MY.033/400	.033	400	11.0 x 4.0 x 8.0	.36	.245	.144	.108
26930	MY.047	.047	100	8.0 x 4.0 x 12.0	*	.13	.111	.083
135562	MY.1/50	.1 ‡	50	14.0 x 6.0 x 12.0	*	.14	.12	.094
26956	MY.1	.1	100	12.5 x 5.0 x 9.5	.27	.233	.185	.119
93921	MY.1/250	.1	250	12.5 x 5.5 x 10	*	.17	.14	.122
26972	MY.22	.22	100	12.5 x 5.5 x 10	.21	.19	.12	.085
93964	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.27	.24	.22	.17
26999	MY.47	.47	100	18.0 x 6.0 x 11.5	.26	.207	.166	.124
27001	MY1	1.0	100	18.0 x 7.5 x 14.0	.56	.447	.333	.316
93981	MY1/250	1.0	250	26.0 x 9.0 x 16.0	\$.62 _{.53}	.38	.33	.25
93999	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	.92	.75	.62	.535

‡ ±20% tolerance *Capacitor dimensions and styles may vary

Memory Back-Up Capacitors

Applications: • Memory back-up of remote controllers

Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)

- Small size vs. capacitance
 Volt.: 5.5VDC 227811
- Excellent volt. holding characteristics for low back-up currents



142922

Part No.	Cross Ref. No.	Value (Farad)	Size (mm) L x T x Dia.	1	10	100							
142949	MBC.22/5.5 ↔	.22	11.8 x 6.4 x 12.8	\$2.09	\$1.79	\$1.41							
143010	MBC.47/5.5 ⊕o	.47	13.3 x 9.2 x 21.1	3.29	2.86	2.42							
	Other Manufacturers — Great Deals*												
142957	MBC1.0/5.5	1.0	_	\$4.29	\$3.85	\$3.49							
227811	S5R5V105	1.0	24 2 x 4 3 x 18 0	4 49	3 82	2 86							

Capacitor dimensions and styles may vary

FT0H104ZF**₹** 0.1

⇔ Blue Part No. = Limited Quantity Available

2.19

NEC/TOKIN Memory Back-Up Capacitors

FC Series

		Value	Voltage	Size (in.)	Pricing		
Part No.	Product No.	(F)	(DC)	Dia. x H	1	10	100
1536851	FC104ZF ₹	0.1	5.5V	0.41 x 0.22	\$2.19	\$1.81	\$1.44
FG Serie	S						



675753	FG0H225ZF ₹	2.2	5.5V	0.85 x 0.75	\$3.95	\$3.16	\$2.54
FS/FT Se	ries						
675657	FS0H104ZF ₹	0.1	5.5V	0.65 x 0.34	\$2.19	\$1.81	\$1.47
675665	FS0H105ZF₹	1.0	5.5V	1.12 x 0.55	3.95	3.16	2.94
675673	FS0H224Z ₹	0.22	5.5V	0.65 x 0.51	2.25	1.81	1.75
675681	FS0H473ZF ₹	0.047	5.5V	0.51 x 0.34	1.65	1.46	1.28
675690	FS0H474ZF ₹	0.47	5.5V	0.85 x 0.51	3.85	3.16	2.48

FY Series

675702

	•						
	FYD0H104ZF ≈						
	FYD0H105Z ₹					3.16	2.48
675737	FYH0H105ZF ₹	1.0	5.5V	1.12 x 0.43	3.95	3.16	2.66
675745	FYH0H474ZF ₹	0.47	5.5V	0.85 x 0.39	3.85	3.16	2.48

5.5V







ĪL.S.



1.81

1.47



Quantity SAVE

Dipped Tantalum Capacitors (±10%)

Resin Dipped Solid Tantalum Capacitors • Rated voltage DC: ≤ +85°C

- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability Moisture-resistant
 - Flame retardant coating
- · Low leakage current
- Designed for entertainment and commercial equipment

0.45 x 0.34

†Cross References: Panasonic: EF Series; AVX: Tap Series; Sprague: 196D and 199D; Matsuo: 202; Kemet: T350/ T360; Mepco: 49GS; NEC: DN; Nichicon: 599; NIC: NDTM; Hitachi: TSD-3



4.5 x 7 x 2.5

5 x 8 x 2.5

.21 .19

.35

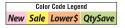
	Cross	Value	Volt.	Size (mm)		Pric	ing	
Part No.	Ref. No. †	(μF)	(V)	DxHxL.S.	1	10	100	500
545799	TAP225K020SCS₹	2.2	20	4.3 x 7 x 2.5	\$.30	\$.257	\$.234	\$.219
545801	TAP225K025SCS₹	2.2	25	4.3 x 7 x 2.5	.24	.203	.184	.175
545810	TAP225K035SCS₹	2.2	35	4.3 x 7 x 2.5	.26	.22	.20	.19
545828	TAP225K050SCS₹	2.2	50	5.4 x 8 x 2.5	.53	.448	.407	.404
332152	TDR2.2/50 ⊕	2.2	50	6.5 x 11 x 2.5	.73	.66	.56	.446
545924	TAP335K010SCS₹	3.3	10	4 x 6 x 2.5	.26	.224	.202	.194
545932	TAP335K016SCS₹	3.3	16	4.3 x 7 x 2.5	.26	.224	.202	.194
545941	TAP335K025SCS₹	3.3	25	4.3 x 7 x 2.5	.33	.279	.254	.243
545959	TAP335K035SCS₹	3.3	35	4.3 x 7 x 2.5	.41	.347	.314	.30
545967	TAP335K050SCS₹	3.3	50	5.4 x 8 x 2.5	.65	.64	.63	.62
546054	TAP475K010SCS₹	4.7	10	4.3 x 7 x 2.5	.25	.213	.193	.184
546062	TAP475K016SCS₹	4.7	16	4.3 x 7 x 2.5	.28	.249	.228	.205
94036	TM4.7/16 ⊕	4.7	16	5 x 8 x 2.5	.35	.29	.23	.173
546071	TAP475K025SCS₹	4.7	25	4.3 x 7 x 2.5	.38	.36	.263	.25
94044	TM4. 7/25 ↔	4.7	25	5 x 8 x 2.5	.49	.44	.316	.237
546089	TAP475K035SCS₹	4.7	35	4.7 x 7.5 x 2.5	.33	.314	.258	.245
33807	TM4.7 ⊕	4.7	35	5.5 x 9.5 x 2.5	.45	.405	.324	.243
546097	TAP475K050SCS₹	4.7	50	6 x 9.4 x 2.5	1.09	1.06	1.04	.99
546151	TAP685K006SCS₹	6.8	6.3	4 x 6 x 2.5	.26	.247	.202	.194
546169	TAP685K010SCS₹	6.8	10	4.3 x 7 x 2.5	.37	.352	.284	.267
546177	TAP685K016SCS₹	6.8	16	4.3 x 7 x 2.5	.39	.371	.299	.284
546185	TAP685K025SCS₹	6.8	25	4.7 x 7.5 x 2.5	.51	.439	.348	.331
546193	TAP685K035SCS₹	6.8	35	4.7 x 7.5 x 2.5	.51	.485	.391	.373
33875	TM6.8 ₹	6.8	35	6.5 x 11 x 2.5	.59	.45	.36	.32

.284 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product

.12

.16

.32



TM2.2/16**₹**

TM2.2/35 ⊕

2.2 16

2.2 35

94003

33735

JAMECO Value Pro

Dipped Tantalum Capacitors (±10%) Resin Dipped Solid Tantalum Capacitors

Quantity SAVE



 Operating temp. range: -55°C to +85°C (+125°C with derating)
 Exceptional temperature stability
 Moisture-resistant
 Flame retardant coating Low leakage current

 Designed for entertainment and commercial equipment *Cross References: Panasonic: EF Series; AVX: Tap Series; Sprague: 196D and 199D; Matsuo: 202; Kemet: T350/ T360; Mepco: 49GS; NEC: DN;

Nichicon: 599; NIC: NDTM; Hitachi: TSD-3

	Cross	Value	Volt.	Size (mm)		Pric	ing			Cross	Value	Volt.	Size (mm)		Pric	ing	
Part No.	Ref. No. †	(μF)	(V)	DxHxL.S.	1	10	100	500	Part No.		(μF)	(V)	DxHxL.S.	1	10	100	500
545617	TAP106K006SCS ₹	10	6.3	4.3 x 7 x 2.5	\$.33	\$.279	\$.254	\$.243	545975	TAP336K006SCS ₹	33	6.3	5.4 x 8 x 2.5	\$.47	\$.397	\$.361	\$.34
545625	TAP106K010SCS ₹	10	10	4.7 x 7.5 x 2.5	.42	.253	.224	.213	545983	TAP336K010SCS ₹	33	10	5.4 x 8 x 2.5	.58	.491	.446	.421
94061	TM10/16 ₹	10	16	5 x 8 x 2.5	.45	.39	.29	.25	545991	TAP336K016SCS ₹	33	16	6 x 9.4 x 2.5	1.03	.87	.78	.75
545633	TAP106K020SCS ₹	10	20	5.4 x 8 x 2.5	.50	.423	.384	.365	546003	TAP336K020SCS ₹	33	20	6 x 9.4 x 2.5	1.45	1.23	1.12	1.05
545641	TAP106K025SCS ₹	10	25	5.4 x 8 x 2.5	.58	.498	.395	.389	546011	TAP336K025SCS ₹	33	25	6 x 9.4 x 2.5	1.89	1.60	1.45	1.38
94080	TM10/25 🕿	10	25	5.5 x 9.5 x 2.5	.59	.50	.40	.36	33786	TM33 ⊕	33	25	8.5 x 13 x 2.5	2.35	2.09	1.67	1.23
545570	TAP104K050SCS ₹	.10	50	4 x 6 x 2.5	.31	.269	.227	.219	546020	TAP336K035CCS ₹	33	35	8.2 x 12.5 x 2.5	3.15	2.67	2.43	2.28
545650	TAP106K035SCS ₹	10	35	5.4 x 8 x 2.5	.81	.77	.68	.62	546100	TAP476K010SCS ₹	47	10	6 x 9.4 x 2.5	1.03	.98	.79	.75
33691		10	35	5.5 x 11 x 2.5	.89	.79	.69	.59	546118	TAP476K016SCS ₹	47	16	6 x 9.4 x 2.5	1.59	1.52	1.22	1.14
332161	TDR10/50 ⊕	10	50	8.5 x 13 x 2.5	3.15	2.78	2.27	1.70	94124	TM47/16 ⊕	47	16	6.5 x 11 x 2.5	1.69	1.55	1.35	.95
545721	TAP156K010SCS ₹	15	10	4.7 x 7.5 x 2.5	.44	.372	.338	.324	33823	TM47 ⊕	47	25	9.5 x 16.5 x 2.5	3.39	3.05	2.59	1.94
545730	TAP156K016SCS ₹		16	5.4 x 8 x 2.5	.53	.448	.407	.389	546126	TAP476K035CCS ₹		35	8.2 x 12.5 x 5	5.55	5.28	3.76	3.58
545748	TAP156K020SCS ₹	15	20	5.4 x 8 x 2.5	.54	.457	.414	.397	546206	TAP686K006SCS ₹	68	6.3	6 x 9.4 x 2.5	.62	.59	.476	.454
33719	TM15 ⊕	15	25	6.5 x 11 x 2.5	.89	.80	.72	.54	546214	TAP686K010SCS ₹	68	10	6 x 9.4 x 2.5	1.49	1.42	1.15	1.08
597468	TAP156K035SCS ₹	15	35	6 x 9.4 x 2.5	1.79	1.52	1.38	1.30	546222	TAP686K016SCS ₹	-	16	7 x 11 x 2.5	1.95	1.85	1.48	1.39
545692	TAP154K035SCS ₹	15	35	4 x 6 x 2.5	.26	.224	.202	.194	546231	TAP686K020CCS ₹	68	20	8.2 x12.5 x 5	4.09	3.89	3.14	2.95
545836	TAP226K006SCS ₹		6.3	4.7 x 7.5 x 2.5	.44	.372	.338	.324	332099	TDR68/25 ↔	68	25	9.5 x 16.5 x 2.5	6.55	5.89	4.72	3.53
545844	TAP226K010SCS ₹		10	5.4 x 8 x 2.5	.50	.423	.384	.365	545668	TAP107K006SCS ₹	100	6.3	6.0 x 9.4 x 2.5	1.31	1.12	1.01	.96
545852	TAP226K016SCS ₹		16	5.4 x 8 x 2.5	.40	.338	.307	.305	33702	TM100 ₹	100	6.3	8.5 x 13 x 2.5	1.19	1.09	.95	.85
94095	TM22/16 ⊕	22	16	5.5 x 9.5 x 2.5	.69	.59	.49	.45	597450	TAP107K016CCS ₹		16	7 x 11 x 2.5	4.09	3.46	3.14	2.95
545861	TAP226K020SCS ₹	22	20	6 x 9.4 x 2.5	1.01	.86	.77	.73	545684	TAP107K020CCS ₹		20	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43
545879	TAP226K025SCS ₹	22	25	6 x 9.4 x 2.5	1.75	1.27	1.15	1.08	545764	TAP157K006CCS ₹	•	6.3	7 x 11 x 2.5	1.95	1.63	1.48	1.39
545887	TAP226K035SCS ₹	22	35	7 x 11 x 2.5	1.39	1.18	1.07	1.05	545772	TAP157K010CCS ₹		10	7 x 11 x 2.5	3.79	3.22	2.92	2.74
332101	TDR22/35 ⊕	22	35	8.5 x 13 x 2.5	2.15	1.85	1.25	.94	545895	TAP227K010CCS ₹	220	10	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43
					0	ther l	Manu	factui	ers — Gre	at Deals*							
33486	TM.1	.10	35	4.5 x 7	\$.23	\$.225	\$.171	\$.135	33873	TM6.8	6.8	35	6.5 x 11	\$.52	\$.44	\$.352	\$.264
33507	TM.22	.22	35	4.5 x 7	.27	.237	.184	.137	94060	TM10/16	10	16	5.0 x 8	.41	.351	.261	.225
33523	TM.33	.33	35	4.5 x 7	.28	.209	.167	.125	94078	TM10/25	10	25	5.5 x 9.5	.53	.45	.36	.324
33531	TM.47	.47	35	4.5 x 7	.20	.18	.135	.126	33689	TM10	10	35	6.5 x 11	.80	.71	.62	.53
154860	TM1/25	1	25	4.5 x 7	.28	.252	.202	.152	33718	TM15	15	25	6.5 x 11	.80	.72	.65	.58
33662	TM1	1	35	4.5 x 7	.29	.261	.225	.198	33751	TM22 ⊕	22	6.3	5.5 x 9.5	.49	.44	.35	.26
94001	TM2.2/16	2.2	16	4.5 x 7	.29	.24	.176	.132	94094	TM22/16	22	16	5.5 x 9.5	.62	.53	.441	.405
94019	TM2.2/25	2.2	25	4.5 x 7	.29	.24	.20	.15	94107	TM22/25	22	25	8.5 x 13	1.59	1.45	.89	.79
33769	TM3.3 ⊕	3.3	35	5 x 8	.42	.356	.285	.214	33785	TM33	33	25	8.5 x 13	2.09	1.89	1.45	.95
94035	TM4.7/16	4.7	16	5 x 8	.34	.31	.27	.20	94123	TM47/16	47	16	6.5 x 11	1.55	1.39	1.25	.86
94043	TM4.7/25	4.7	25	5 x 8	.44	.396	.297	.18	33822	TM47	47	25	9.5 x 16.5	3.05	2.75	2.09	1.65
33806	TM4.7	4.7	35	5.5 x 9.5	.41	.378	.333	.243	33700	TM100	100	6.3	8.5 x 13	1.09	.98	.79	.59
*Capacitor	dimensions and style	s may va	ry														

Metallized Polyester Radial-Lead Capacitors

Part No.

Product No.

Type 167/184 ±5%

CDE

 Rugged plastic case 7.5mm (0.3") lead spacing

• Case and epoxy fill meets UL94V-0 • Length: 10.5mm

• Operating temperature range: -55°C to 125°C Non-polarized

Dielectric withstanding voltage: 1.6 x rated voltage for 2 seconds

 Good for general purpose applications such as bypass, decoupling, energy storage/discharge and arc suppression • Non-inductively wound

Part No.	Product No.	Value (µF)	Volt. (VDC/VAC)	Th. x H (mm)	1	10	100	500
528391	167104J63A	0.10	63/40	3.5 x 7	\$.45	\$.40	\$.381	\$.363
528382	167104J100A ◆	0.10	100/63	3.5 x 7	.37	.353	.334	.292
528403	167224J100C ◆	0.22	100/63	5 x 11	.52	.492	.467	.315
528366	167103J250A	0.01	250/160	3.5 x 7	.28	.269	.258	.232
528374	167103J400A ◆	0.01	400/200	3.5 x 7	.46	.435	.413	.321
528358	167102J630A♠	0.001	630/220	3.5 x 7	.35	.334	.317	.214

Type 168/185 ±5%

• 5mm (0.197") lead spacing · Non-inductively wound

 Rugged plastic case • Length: 7.2mm · Non-polarized

 Case and epoxy fill meets UL94V-0 Low leakage

 Good for general purpose applications such as bypass, decoupling, energy storage/discharge and arc suppression

528438	168104J50A ◆	0.10	50/30	2.5 x 6.5	\$.33	\$.293	\$.264	\$.238
528526	168334J50C ◆	0.33	50/30	3.5 x 7.5	.42	.399	.379	.27
528462	168105J50G ◆	1.00	50/30	6.0 x 11.0	.81	.77	.73	.514
528569	168473J63A ◆	0.047	63/40	2.5 x 6.5	.30	.28	.26	.25
528446	168104J63A ◆	0.10	63/40	2.5 x 6.5	.29	.27	.24	.238
528454	168104K63A‡♠	0.10	63/40	2.5 x 6.5	.30	.276	.251	.228
528497	168224J63C ◆	0.22	63/40	3.5 x 7.5	.38	.36	.342	.304
528534	168334J63H ◆	0.33	63/40	4.5 x 8.5	.55	.52	.494	.383
528577	168474J63H ◆	0.47	63/40	4.5 x 8.5	.51	.482	.458	.324
528585	168474K63H‡♠	0.47	63/40	4.5 x 8.5	.80	.76	.72	.56
528411	168102J100A ◆	0.001	100/63	2.5 x 6.5	.41	.37	.333	.30
528471	168222J100A ◆	0.0022	100/63	2.5 x 6.5	.32	.289	.26	.25
528500	168332J100A	0.0033	100/63	2.5 x 6.5	.28	.251	.228	.207
528542	168472J100A	0.0047	100/63	2.5 x 6.5	.28	.256	.233	.213
528420	168103J100A ◆	0.010	100/63	2.5 x 6.5	.29	.27	.24	.238
528489	168223J100A ◆	0.022	100/63	2.5 x 6.5	.31	.28	.26	.249
528518	168333J100C ◆	0.033	100/63	3.5 x 7.5	.30	.28	.266	.228
528551	168473J100C ◆	0.047	100/63	3.5 x 7.5	.36	.33	.29	.28

Value (μF) Volt.(VDC/VAC) Th. x H (mm)

‡ ±10% tolerance

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Polyester & Snap-In Capacitors

Polyester & Polypropylene Film/Foil Capacitors

Type PVC ±10%

Rugged epoxy case material meets UL94V-0

Crimped leads for secure PCB insertion

 Insulation resistance: polyester – 100,000MΩ
 Voltage range: polyester – 100VDC to 1000VDC; polypropylene -1200VDC to 2000VDC for \leq 0.25μF, 25,000M Ω >0.25μF polypropylene – $400,000M\Omega = < 0.50\mu F$, $200,000M\Omega \ge 0.50\mu$

 Dielectric withstanding voltage: 250% rated voltage
 Non-polarized for <1000V, 200% rated voltage for ≥1000V Non-inductively wound

200VDC/140VAC, 60Hz

Part No.	Product No.	Value (µF)	L x Dia. (mm)	Spacing	1	10	100	1000
536930	PVC211♠	0.10	17.8 x 8.4	12.7mm	\$1.09	\$1.01	\$.91	\$.86
536921	PVC201♠	0.10	30.5 x 10.2	24.6mm	1.69	1.53	1.38	1.24

400VDC/200VAC, 60Hz

Part No.	Product No.	Value (µF)	L x Dia. (mm)	Spacing	1	10	100	1000
536948	PVC401♠	0.10	30.5 x 13.5	24.6mm	\$1.95	\$1.74	\$1.56	\$1.40

600VDC/200VAC, 60Hz

Part No.	Product No.	Value (µF)	L X Dia. (mm)	Spacing	1	10	100	1000
536981	PVC611♠	0.01	22.9 x 10.2	17.5mm	\$1.32	\$1.18	\$1.06	\$.95
536999	PVC6147	0.047	30.5 x 14.2	24.6mm	1.01	.83	.81	.79
536956	PVC601♠	0.10	130.5 x 16.5	24.6mm	2.45	2.18	1.96	1.76
536964	PVC6022 ◆	0.22	40.6 x 20.3	34.1mm	4.39	3.95	3.55	3.19
536972	PVC6025 ♠	0.25	40.6 x 20.3	34.1mm	4.55	4.07	3.66	3.29

1000VDC/200VAC, 60Hz

Part No. Product No.	value (µi)	L x Dia. (mm)	Spacing		10	100	1000
536884 PVC10010♠	0.10	40.6 x 21.6	34.1mm	\$3.55	\$3.45	\$3.27	\$3.11

1600VDC/475VAC, 60Hz

Part No.	Product No.	Value (µF)	L x Dia. (mm)	Spacing	1	10	100	1000
536892	PVC1611 ♠	0.01	31.8 x 13.5	24.6mm	\$1.85	\$1.67	\$1.50	\$1.36
536905	PVC16147 ♠	0.047	41.9 x 20.3	34.1mm	4.09	3.69	3.32	2.99

CDE

Radial Metallized Polyester RC Network for **Transient Suppression Capacitors**

Type Q/QRL (Quencharc®) Arc Suppressor/Snubber Network

- Noise and arc suppression
- · Relay contact protection
- Type QRL UL/CSA version
 Capacitance tolerance: ±20%
 Resistor tolerance: ±10%
- Noise reduction on controllers and drives EMI/RFI reduction
- Operating temperature range: -55°C to 85°C RC snubber network
- Metallized polyester in series with a carbon composition resistor
- · Dielectric withstanding voltage: 1.6 x DC rated voltage

527873: UL/CSA recognized across-the-line application, type QRL, complies with UL1414 CSA-22.2 No.1

200VDC/125VAC • Size: 27.4L x 9.4Th. x 16.3H mm

Part No.	Product No.	Value (µF)	Resistor Value	1	10	100	500
527881	105M02QB47 ♠	1.0	1/2W; 100Ω	\$5.19	\$4.91	\$3.61	\$3.04

600VDC/250VAC • Size: 27.4L x 9.4Th. x 16.8H mm

Part No.	Product No.	Value (µF)	Resistor Value	1	10	100	500
527857	104M06QC22♠	0.10	1/2W; 22Ω	\$5.49	\$4.95	\$4.45	\$4.01
527865	104M06QC47♠	0.10	1/2W; 47Ω	5.19	4.14	3.80	3.61
527831	104M06QC100♠	0.10	1/2W; 100Ω	5.05	4.61	4.19	3.81
527849	104M06QC150♠	0.10	1.2W; 150Ω	5.59	4.47	4.12	3.91

Tyne ORI 125VAC . Size: 27 /II v 9 /Th v 16 8H mm

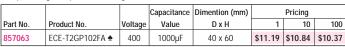
Type are 125776 Size. 27.4EX 7.4TH. X TO.OTT HIM										
Part No.	Product No.	Value (µF)	Resistor Value	1	10	100	500			
527873	104MACQRL150♠	0.10	1/2W; 150Ω	\$4.55	\$4.29	\$3.16	\$2.66			

Panasonic®

Snap-In Capacitor

T-UP Series Snap-In Capacitor

- Top vent construction
- 4-pin terminal provides stability and keyed polarity
- General purpose rated at 85°C, 3,000 hours
- Operating temperature range: -40°C to 85°C





Type 150 ±5%

- · Flame retardant wrap and fill axial capacitors
- Epoxy end fill meets UL94V-0
- · Non polarized
- Flame retardant outer wrap meets UL510 Non-inductively wound
- General purpose capacitor for use in blocking,
- bypass, decoupling, smoothing, and timing applications

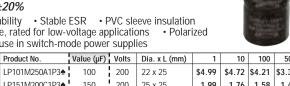
Part No.	Product No.	Value (µF)	Volts	L x Dia. (mm)	1	10	100	500
527911	150104J100AA	0.10	100	11 x 5	\$.47	\$.444	\$.433	\$.422
527961	150224J100CB	0.22	100	16.5 x 6.5	.56	.533	.522	.51
527970	150334J100EB ◆	0.33	100	16.5 x 8	.55	.52	.494	.451
527945	150105J100IC ◆	1.0	100	20.5 x 10	.96	.92	.87	.79
527988	150473J250AA ◆	0.047	250	11 x 5	.53	.479	.435	.396
527929	150104J250CB ◆	0.1	250	16.5 x 6.5	.58	.54	.51	.48
527996	150474J250HC ◆	0.47	250	20.5 x 9.5	.70	.66	.63	.58
527953	150105J250JE ◆	1.0	250	28 x 10.5	1.09	1.01	.96	.90
527902	150103J400AA ◆	0.010	400	11 x 5	.39	.367	.349	.318
527890	150102J630AA ◆	0.001	630	11 x 5	.43	.412	.391	.357
527937	150104J630FE ◆	0.10	630	28 x 8.5	.90	.85	.81	.74

CDE

Radial Snap-In Capacitors

Type LP ±20%

- High reliability Stable ESR PVC sleeve insulation
- Small size, rated for low-voltage applications
- Ideal for use in switch-mode power supplies



Part No.	Product No.	Value (µF)	Volts	Dia. x L (mm)	1	10	100	500
535777	LP101M250A1P3♠	100	200	22 x 25	\$4.99	\$4.72	\$4.21	\$3.37
535822	LP151M200C1P3♠	150	200	25 x 25	1.99	1.76	1.58	1.42
535785	LP102M200H9P3♠	1,000	200	35 x 50	7.15	6.23	4.85	4.61
535814	LP122M050A1P3♠	1,200	50	22 x 25	.90	.79	.76	.72
535857	LP222M050E1P3♠	2,200	50	30 x 25	4.75	3.99	3.24	2.73
535865	LP222M063E3P3♠	2,200	63	30 x 30	1.99	1.88	1.38	1.10
535881	LP272M035C1P3	2,700	35	25 x 25	2.95	2.71	2.46	2.24
535890	LP332M050E3P3♠	3,300	50	30 x 30	5.79	5.48	4.89	3.91
535911	LP472M016A1P3♠	4,700	16	22 x 25	3.29	2.84	2.65	2.49
535929	LP472M050H3P3♠	4,700	50	35 x 30	2.49	2.32	1.70	1.35
535937	LP472M063E9P3♠	4,700	63	30 x 50	5.95	5.07	4.53	4.04
535945	LP682M050E9P3♠	6,800	50	30 x 50	4.95	4.31	4.09	3.89
535953	LP682M063H9P3♠	6,800	63	35 x 50	6.29	5.99	5.19	4.94
535961	LP822M035H3P3♠	8,200	35	35 x 30	2.85	2.47	2.34	2.22
535793	LP103M025H3P3♠	10,000	25	35 x 30	2.49	2.32	1.71	1.36
535806	LP103M035E7P3♠	10,000	35	30 x 40	3.99	3.79	3.27	3.11
535831	LP153M016H3P3♠	15,000	16	35 x 30	8.35	7.15	6.39	5.70
535849	LP153M035H9P3♠	15,000	35	35 x 50	6.49	5.54	4.95	4.42
535873	LP222M025H9P3♠	22,000	25	35 x 50	5.85	5.09	4.83	4.59
535902	LP333M016H9P3♠	33,000	16	35 x 50	12.15	10.38	9.27	8.28

Type LPX ±20%

- Compact design for high density packaging
- Low voltage High capacitance
- Ideal for high voltage switch-mode power supply input filtering applications
- Polarized PVC insulating sleeve

Part No.	Product No.	Value (µF)	Volts	Dia. x L (mm)	1	10	100	500
535970	LPX101M400A3P3♠	100	400	22 x 30	\$1.89	\$1.78	\$1.31	\$1.20
535988	LPX101M450C3P3♠	100	450	25 x 30	4.85	4.36	3.92	3.52
536016	LPX221M400C7P3♠	220	400	25 x 40	3.65	3.45	2.53	2.00
536032	LPX271M450E4P3♠	270	450	30 x 45	13.49	12.14	10.92	9.82
536041	LPX331M250C3P3♠	330	250	25 x 30	3.49	3.09	2.99	2.84
536059	LPX331M400E7P3♠	330	400	30 x 40	5.79	5.13	4.96	4.71
536067	LPX331M450H7P3♠	330	450	35 x 40	7.29	6.93	5.08	4.03
536075	LPX471M200C3P3♠	470	200	25 x 30	2.39	2.25	1.65	1.31
536083	LPX471M450H9P3♠	480	450	35 x 50	10.39	9.88	7.24	5.74
536091	LPX681M200C7P3♠	680	200	25 x 40	5.09	4.58	4.12	3.70
536104	LPX681M400H9P3♠	680	400	35 x 50	11.49	10.18	9.83	9.34
535996	LPX152M200H7P3♠	1,500	200	35 x 40	12.95	11.65	10.48	9.43
536008	LPX152M250H9P3♠	1,500	250	35 x 50	9.55	8.43	8.15	7.74
536024	LPX222M200H9P3♠	2,200	200	35 x 50	11.89	10.51	10.16	9.65

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD



RoHS Compliant Product → RoHS Also Available

Color Code Legend New Sale Lower\$ QtySave

CDE

Standard Dipped Mica Capacitors

Type CD10/D10/CD15/CD19/CD30/CD42/CDV19/CDV30

- High temperature up to 150°C
- Dimensions meet EIA RS153B specifications
- 100,000V/µs dV/dt pulse capability minimum
- Dielectric strength: 200% of rated voltage
 Tolerance: ±1/2pF (D); ±pF (C); ±1.2% (E);

±1% (F); ±2% (G); ±5% (J)



		Value	Volt	Size (mm)	Spacing		Pric	ing	
Part No.	Product No.	(pF)	VDC	LxHxTh.	(mm)	1	10	100	1000
530108	CD10CD050DO3♠	5	500	9.1x8.4x4.8	3.6	\$1.06	\$1.00	\$.95	\$.72
530141	CD10CD150JO3♠	15	500	9.1x8.4x4.8	3.6	1.06	1.00	.95	.72
530167	CD10ED200JO3♠	20	500	9.1x8.4x4.8	3.6	.81	.77	.73	.539
530191	CD10ED270J03♠	27	500	9.4x8.4x4.8	3.6	.81	.77	.73	.539
530204	CD10ED300JO3♠	30	500	9.4x8.6x4.8	3.6	.81	.77	.73	.539
530212	CD10ED330JO3♠	33	500	9.4x8.6x4.8	3.6	.81	.77	.73	.539
530221	CD10ED390JO3♠	39	500	9.4x8.6x4.8	3.6	.91	.86	.82	.62
530280	CD10FA331JO3♠		500	16.3x12.7x4.8	8.7	1.55	1.42	1.35	1.01
530319	CD10FD101J03♠	100	500	9.4x8.9x5.1	3.6	.98	.93	.88	.67
530335	CD10FD151JO3♠	150	500	9.7x9.1x5.3	3.6	1.01	.96	.91	.69
530343	CD10FD181JO3♠	180	500	9.9x9.4x5.3	3.6	1.65	1.54	1.46	.90
530360	CD10FD221JO3♠	220	500	9.9x9.7x5.6	3.6	1.37	1.31	1.24	.93
530394	CD15CD030D03♠	3	500	11.4x9.1x4.3	5.9	.76	.73	.69	.467
530466	CD15ED200DO3	20	500	11.4x9.1x4.3	5.9	.84	.79	.72	.62
530482	CD15ED220DO3♠	22	500	11.4x9.1x4.3	5.9	.89	.68	.63	.46
530511	CD15ED270J03	27	500	11.4x9.1x4.3	5.9	.72	.66	.59	.55
530520	CD15ED300JO3♠	30	500	11.4x9.1x4.3	5.9	.54	.51	.484	.354
530538	CD15ED330GO3♠	33	500	11.4x9.1x4.3	5.9	.99	.94	.89	.60
530562	CD15ED390GO3♠	39	500	11.4x9.1x4.3	5.9	.99	.94	.89	.60
530589	CD15ED470GO3♠	47	500	11.4x9.1x4.3	5.9	.93	.88	.63	.46
530600	CD15ED500JO3♠	50	500	11.4x9.1x4.3	5.9	.53	.497	.472	.348
530642	CD15ED680JO3♠	68	500	11.4x9.1x4.6	5.9	.56	.52	.494	.365
530491	CD15ED220J03♠	22	500	11.4x9.1 x4.6	5.9	.53	.50	.49	.48
530669	CD15ED820JO3	82	500	11.4x9.1x4.6	5.9	.55	.54	.53	.52
530677	CD15FA102FO3♠	1000	500	11.4x9.1x4.6	5.9	4.29	4.07	3.87	2.79
530722	CD15FC681JO3♠	680	300	11.9x9.9x5.3	5.9	1.69	1.57	1.49	1.10
530731	CD15FC751JO3♠	750	300	11.9x9.9x5.3	5.9	1.79	1.67	1.59	1.18
530749	CD15FC821JO3♠	820	300	11.9x9.9x5.3	5.9	1.95	1.81	1.72	1.27
530757	CD15FD101F03♠	100	500	11.7x9.4x4.6	5.9	1.19	1.13	1.12	.69
530781	CD15FD121JO3♠	120	500	11.7x9.4x4.6	5.9	.61	.57	.539	.395
530802	CD15FD151JO3♠	150	500	11.7x9.4x4.8	5.9	.64	.60	.57	.416
530829	CD15FD181JO3♠	180	500	11.7x9.4x4.8	5.9	.73	.70	.66	.479
530853	CD15FD221JO3♠	220	500	11.7x9.7x5.1	5.9	.76	.72	.68	.497
530888	CD15FD271JO3♠	270	500	11.9x9.9x5.3	5.9	.88	.83	.79	.58
530909	CD15FD331GO3♠	330	500	11.9x9.9x5.3	5.9	1.79	1.70	1.20	.88
530941	CD15FD391JO3 ♠	390	500	11.9x9.9x5.3	5.9	1.12	1.05	1.00	.74
530984	CD15FD471JO3♠	470	500	11.9x10.2x5.6	5.9	1.30	1.22	1.16	.85
531039	CD19FD102J03	1000	500	16.5x13.2x5.6	8.7	1.19	1.18	1.16	1.15
531055	CD19FD122JO3♠	1200	500	16.8x13.2x5.6	8.7	1.59	1.49	1.13	.94
531101	CD19FD202JO3 ♠	2000	500	17x13.5x6.1	8.7	2.35	2.20	1.66	1.37
531135	CD19FD271JO3 ♠		500	16.3x12.7x4.8	8.7	1.06	.99	.75	.62
531160	CD19FD331JO3 ♠		500	16.3x12.7x4.8	8.7	1.10	1.02	.77	.64
531194	CD19FD392JO3	3900		17.5x14.2x7.9	8.7	3.59	3.51	3.47	3.43
531215	CD19FD472JO3♠			17.8x14.7x8.9	8.7	4.15	3.67	2.77	2.29
531258	CD19FD561JO3 ♠			16.5x13x5.1	8.7	1.17	.95	.91	.87
531266	CD19FD681JO3♠		500	16.5x13x5.3	8.7	1.33	1.26	.95	.79
531303	CD30FD103JO3♠	10,000		20.3x22.6x8.6	11.1	9.09	8.15	6.15	5.04
531776	CDV19FF391JO3 ♠		1000	16.5x13x5.1	8.7	1.79	1.70	1.06	.79

CDE

Miscellaneous Capacitors

Type PSU AC Motor Start

Dual quick connect terminals
 Voltage range: 110-330VAC

Operating temp: -40°C to 65°C



Voltage range: 200-2000 Vpk
 Tolerance: ±10%

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

> See Our Complete CDE Offering at www.Jameco.com/Prod/CDE0ther

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film Capacitors

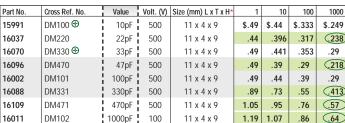
• Case type: DM15 • Lead Space: 0.23"

• Tolerance: ±5%

Operating temp. range: -55° to +125°C



Lower \$\$\$



^{*}Capacitor dimensions and styles may vary

CDE

Suppressor Capacitors

158 Series Type X2 ±20%

· UL1414 and CSA approved

Flame retardant case meets UL94V-0

· Polyurethane end file meets UL94V-0

· Used in applications where damage to the capacitor will not lead to the danger of electrical shock

Operating temperature range: -40°C to 100°C

• Lead material: tinned copper clad steel • Voltage range: 275/250 VAC, 60Hz

• Insulation resistance @ 500VDC: \leq 0.33 μ F = 15k M Ω , \geq 0.47 μ F = 5k M Ω x μ F

Part No.	Product No.	Value (µF)	L x Th. x H (mm)	Spacing (mm)	1	10	100	500
528008	158X103 ♠	0.010	17 x 5 x 12	15 -\$. 9	6\$.91	\$.83	\$.76	\$.69
528059	158X333 ♠	0.033	17 x 5 x 12	15	.73	.69	.62	.434
528067	158X473 ♠	0.047	17 x 5.5 x 12.5	15 \$.9	8 .93	.85	.77	.71
528016	158X104 ♠	0.10	17 x 8 x 15	15	.99	.89	.80	.72
528032	158X244 ♠	0.22	25 x 8 x 17.5	22.5	1.65	1.48	1.33	1.19
528075	158X474 ♠	0.47	30 x 11 x 22	27.5	1.65	1.55	1.10	.85
528083	158X684 ◆	0.68	30 x 13.5 x 24.5	27.5	2.75	2.47	2.20	1.76
528024	158X105 ♠	1.0	30.5 x 15 x 24.5	27.5	2.99	2.82	2.00	1.59
528041	158X225 ♠	2.2	41 x 17.5 x 32.5	37.5	5.95	5.65	4.00	3.18

Aluminum Electrolytic Capacitors

Type CGH High Voltage Screw Terminal Computer Grade Voltage range: 250-500VDC
 Temp. range: -40° to 85°C

Type CGO Computer Grade

 Voltage range: 5-55VDC • Temp. range: -40° to 85°C

Type CGR High Temperature Screw Terminal Computer Grade

Voltage range: 7.5-200VDC

• Temp. range: -40° to 105°C

Voltage range: 6.3-500VDC • Temp. range: -40° to 85°C

Type SEK/SK Radial Lead

Type CGS Screw Terminal Computer Grade

Voltage range: 6.3-450VDC

· Tolerance: ±20%

Type SKA Axial Lead

Tolerance: ±20%

· High CV • Voltage range: 6.3-450VDC

Type TC Axial Lead Voltage range: 16-450VDC

Type TCG Axial Lead Computer Grade

Operating temp.: -40°C to 85°C

Voltage range: 6-450VDC

Operating temp.: -40°C to 85°C

Type TKA Axial Lead

Voltage range: 6.3-450VDC

• Operating temp.: -40°C to 105°C

Type SN 85°C Non-Polar

Voltage range: 6.3-85VNP

• Operating temp.: -40°C to 105°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

> See Our Complete CDE Electrolytic Offering at www.Jameco.com/Prod/CDEElectrolytic

🛊 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.





CDE

Ceramic Capacitors

P10 - P40 Series Multi-Layer

- · Axial leaded conformally coated
- · Applications: filtering, bypass, coupling
- Encapsulation consists of a moisture and shock resistant coating that meets UL04V-0

50VDC, X	7R, ±10%		Prepack	aged: plea	ise order	in increm	ents of 10
Part No. Product No.		Capacitance	Dimensions	10	100	500	1000
536526	P10R103K5	.01µF	0.10"Dia. x 0.17"L	\$.127	\$.123	\$.119	\$.113
536542	P20R104K5	0.1µF	0.12"Dia. x 0.17"L	.157	.153	.151	.149

50VDC, Z5	5U, ±20%						
Part No.	Product No.	Capacitance	Dimensions	10	100	500	1000
536534	P10U104M5	0.1µF	0.10"Dia. x 0.17"L	\$.10	\$.096	\$.091	\$.086
536551	P40U105M5♠	1μF	0.15"Dia. x 0.40"L	1.07	.96	.86	.77

EIA Class 2 Temperature/Frequency Stable Disc

- Highly efficient for bypass & coupling applications
- Temperature range: -30°C to +85°C
 Radial lead
- Insulation resistance: 10,000M Ω min. Lead length: 1" min.
- Power factor @ 1000Hz: 2.5% max.
 Lead diameter: 0.032*
- Breakdown voltage: 2.5 x rated (5 seconds max.) High voltage

· breakuowii voitage. 2.3 x rateu (seconus max.)	nigiti voltage
Y5U, 20%	Prepackag	ed: please order in in

Y5U, 20%			Prepackaged: please order in increments of 10							
Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000	
535718	HT102M♠	1000	3000	0.39" x 0.24"	0.374"	\$.59	\$.53	\$.47	\$.42	
535726	HT222M♠	2200	3000	0.59" x 0.24"	0.374"	1.06	.95	.85	.76	
535742	HT472M♠	4700	3000	0.79" x 0.24"	0.374"	1.03	.98	.64	.61	
V5D 10%	VED 10%									

131, 1070									
Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000
535734	HT471K ♠	470	3000	0.39" x 0.24"	0.374"	\$.344	\$.327	\$.203	\$.17

General Purpose Disc

- · Ideal for use in non-critical coupling, bypass and filter applications
- Conformally coated
 Radial leads
- Temperature range: -30°C to +85°C
- Lead length: 1" minimum
- Lead dia.: 0.025" (except P/N 535638: 0.016")
- Insulation resistance: $10,000M\Omega$ min. Power factor @ 1kHz: 2.5% max.
- Breakdown voltage: 2.5 x rated (5 seconds max.)

Y5U, 20%				Prepackaged: please order in increments of 1							
Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000		
535689	GP247 ♠	4700	1000	0.43" x 0.18"	0.252"	\$.337	\$.32	\$.181	\$.11		
535646	GM103M ◆	10,000	500	0.49" x 0.16"	0.252"	.35	.335	.203	.193		
535654	GP110	10.000	1000	0.59" x 0.18"	0.374"	.35	.335	.203	.193		

Y5P, 10%

Part No.	Product No.	Value (pF)	Voltage	Dia. x Thick	Spacing	10	100	1000	5000
535638	GE101K ♠	100	50	0.16" x 0.12"	0.098"	\$.142	\$.135	\$.097	\$.048
535697	GP310 ♠	100	1000	0.24" x 0.18"	0.252"	.172	.163	.154	.057
535700	GP347 ♠	470	1000	0.24" x 0.18"	0.252"	.29	.26	.23	.20
535662	GP210 ◆	1000	1000	0.29" x 0.18"	0.252"	.285	.259	.235	.215
535671	GP222	2200	1000	0.37" x 0.18"	0.252"	.45	.41	.37	.336

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.





Ceramic Disc Capacitors (±20%)

25, 50 and 1000 Volt, Z5U Temperature Coefficient

Operating temperature range	+10°C to +85°C
Cap. change over temp. range	+22% to -56%
Dielectric withstanding voltage	2.5 times rated volt. for not < 1 sec.



Quantity SAVE

* Prepackaged: please order in increments of 10

* Prepackaged: ple	ease order ir	n increments	of 10
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	Cross		Voltage	Size (mm)		Pricing					Cross		Voltage	Size (mm)) Pricing				
Part No.	Ref. No.	Value	(V)	Dia. x L.S.	1	10	100	1000	5000	Part No.	Ref. No.	Value	(V)	Dia. x L.S.	1	10	100	1000	5000
332179	CD1/50 ⊕	1pF	50	5 x 2.5	*	\$.014	\$.009	\$.008	\$.007	332419	CD560/1000 ⊕	560pF	1000	6 x 2.5	*	\$.043	\$.039	\$.031	\$.023
332291	CD3.3/1000 ⊕	3.3pF	1000	5 x 2.5	.20	.176	.103	.098	.074	332241	CD680/50 ⊕	680pF	50	5 x 2.5	*	.048	.026	.023	.018
332187	CD5/50 ⊕ 🌣	5pF	50	5 x 2.5	*	.056	.028	.027	.026	332427	CD680/1000 ⊕	680pF	1000	6 x 2.5	*	.149	.084	.071	.053
332304	CD5/1000 ⊕	5pF	1000	5 x 2.5	*	.143	.108	.097	.073	332436	CD1000/1000 🕿	1000pF	1000	5 x 2.5	.38	.235	.17	.096	.09
15334	DC10 ⊕	10pF	50	5 x 2.5	*	.07	.05	.02	.015	332259	CD1200/50 ⊕	1200pF	50	5 x 2.5	*	.056	.03	.027	.02
332196	CD12/50 🕿	12pF	50	5 x 2.5	*	.015	.01	.009	.008	332267	CD1500/50 ⊕	1500pF	50	5 x 2.5	*	.056	.03	.027	.02
332208	CD15/50 ⊕ 🌣	15pF	50	5 x 2.5	*	.03	.018	.016	.015	332275		2200pF	50	5 x 2.5	*	.074	.037	.033	.027
332321	CD20/1000 ⊕	20pF	1000	5 x 2.5	.44	.35	.20	.18	.135	332451	CD4700/1000 &	4700pF	1000	7 x 2.5	.35	.315	.268	.214	.161
15407	DC22 ₹	22pF	50	6 x 2.5	*	.078	.055	.028	.022	332460	CD5000/1000 ⊕	5000pF	1000	7 x 2.5	.31	.30	.186	.177	.132
332339	CD22/1000 ⊕	22pF	1000	5 x 2.5	*	.093	.052	.048	.044	332478	CD7500/1000 🟵	7500pF	1000	8 x 2.5	.48	.456	.323	.307	.23
332217	CD33/50 🕿	33pF	50	5 x 2.5	*	.056	.027	.025	.02	15192		.001µF	50	6 x 2.5	*	.067	.056	.028	.024
15511	DC47 ⊕ ⊙	47pF	50	5 x 2.5	.61	.55	.495	.396	.297	97342	DC.0022/1K20 ⊕	.0022µF	1000	11 x 2.5	.49	.44	.33	.144	.108
332225	CD68/50 🕿	68pF	50	5 x 2.5	*	.065	.033	.029	.025	15231	DC.01 🗷	.01µF	50	6 x 2.5	*	.067	.045	.033	.023
332355	CD68/1000 ⊕	68pF	1000	5 x 2.5	*	.141	.095	.086	.065	97377	DC.01/1K20 🕿	.01µF	1000	12 x 2.5	*	.20	.133	.093	.073
15342	DC100 ⊕ ©	100pF	50	5 x 2.5	*	.056	.039	.028	.022	332486	CD20000/1000 &	.02µF	1000	16 x 2.5	.60	.57	.33	.26	.185
332232	CD120/50 ⊕	120pF	50	5 x 2.5	*	.056	.029	.027	.02	15246	DC.022 ⊕	.022µF	50	8 x 2.5	*	.07	.063	.05	.037
332363	CD120/1000 ⊕	120pF	1000	5 x 2.5	.23	.206	.147	.081	.06	15254	DC.047 ⊕ 🌣	.047µF	50	8 x 2.5	.20	.093	.083	.066	.049
332371	CD150/1000 ⊕	150pF	1000	5 x 2.5	.23	.201	.143	.079	.059	332494	CD47000/1000 &	.047µF	1000	16 x 2.5	1.59	1.22	.71	.68	.51
15414	DC220 ⊕ 🙃		50	5 x 2.5	*	.05	.035	.025	.015	332507	CD50000/1000 ⊕	.05µF	1000	16 x 2.5	1.35	1.28	.81	.65	.488
332398	CD330/1000 ⊕	330pF	1000	5 x 2.5	.42	.235	.17	.096	.068	151117	DC.1/25 ⊕	.1μF	25	6 x 2.5	*	.155	.145	.089	.078
15530	DC470 🕿	470pF	50	5 x 2.5	*	.09	.072	.028	.021	15272	DC.1 🗷	.1µF	50	8 x 2.5	*	.167	.145	.128	.105
332401	CD470/1000 ⊕	470pF	1000	5 x 2.5	.42	.235	.17	.096	.072	332516	CD100000/1000 @	.1μF	1000	21 x 2.5	1.95	1.79	1.05	.83	.79
Other Manufacturers — Great Deals									root Dools*										
						Ul	nei IV	iaiiui	actui	ers — Gi	eat Deals								
15333	DC10	10pF	50	5	*	\$.063	\$.056	\$.048	\$.036	97341	DC.0022/1K20	.0022µF	1000	11	\$.27	\$.242	\$.166	\$.097	\$.072
15405	DC22	22pF	50	6	*	.07	.05	.025	.02	15211	DC.0047	.0047uF	50	6	*	.045	.032	.027	.02

*Capacitor dimensions and styles may vary

◆ Blue Part No. = Limited Quantity Available

15270

DC.1

1µF | 50

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

.045 .036 .027

.035 .025 .02

.032 .023

.065

054

.05

05

.045

.08

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

.017

.025 .022

043

15229

97375

15245

15253

151116

DC.01

DC.022

DC.047

DC 1/25

DC.01/1K20

.01µF

.01µF

.022µF

.047µF

.1µF

50

50

50

25

1000

6

12

8

8

6

DC47

DC100

DC220

DC470

DC 001

47pF

100pF

220pF

470pF

.001uF

50

50

50

50

5

5

15510

15341

15413

15528

15190

.04 .03 .02

.084 .066

.06

.063 .045 .036 .027

.084 .076 .06 .045

.14 .13 .08 .07

.20 .18 .12

332638

597281

544833

Ceramic Capacitors & Transient/Surge Absorbers

Color Code Legend New Sale Lower\$ QtySave

JAMECO ValuePro

Applications: • Data processing Operating temp. range: -10°C to +85°C

Monolithic Ceramic Capacitors (±10%) (XR7 Series)

· Communications engineering







* Prepackaged: please order in increments of 10

* Prepackaged: please order in increments of 10

Cross		Volt.	Size (mm)	Pricing					
Ref. No.	Value	(V)	WxTxHxL.S.	1	10	100	1000	5000	
MOC100/100 ₹	100pF	100	5.0x5.0x3.0x2.5	*	\$.14	\$.12	\$.081	\$.061	
MOC220/100 ⊕	220pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.074	.07	
MOC330/100 ⊕	330pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.094	.071	
MOC470/100 ⊕	470pF	100	5.0x5.0x3.0x2.5	*	.121	.088	.08	.076	
SR151C102KAA 🗷	1000pF	100	3.8x2.5x3.8x5.1	*	.087	.069	.043	.041	
MOC1000/100 ⊕	1000pF	100	5.0x5.0x3.0x2.5	*	.107	.078	.055	.041	
SR151C222KAA 🕿	2200pF	100	3.8x2.5x3.8x5.1	*	.104	.094	.074	.071	
SR151C472KAA 🗷	4700pF	100	3.8x2.5x3.8x5.1	*	.114	.102	.081	.078	
MOC4700/100 ⊕	4700pF	100	5.0x5.0x3.0x2.5	*	.107	.078	.055	.052	

3.8x2.5x3.8x5.1

3.8x2.5x3.8x5.1

	Cross		Volt.	Size (mm)			Pricing		
Part No.	Ref. No.	Value	(V)	WxTxHxL.S.	1	10	100	1000	5000
332647	MOC10000/100 ₹	.01µF	100	5.0x5.0x3.0x2.5	*	\$.125	\$.09	\$.063	\$.06
544892	SR211C223KAA ₹	.022µF	100	3.8x2.5x3.8x5.1	*	.137	.13	.104	.10
332654	MOC22000/100 ⊕	.022µF	100	5.0x5.0x3.0x2.5	*	.111	.08	.056	.053
544905	SR211C333KAA ₹	.033µF	100	3.8x2.5x3.8x5.1	*	.142	.13	.105	.097
544913	SR211C473KAA 🕿	.047µF	100	3.8x2.5x3.8x5.1	*	.142	.139	.11	.107
332662	MOC47000/100 ⊕	.047µF	100	5.0x5.0x3.0x2.5	*	.142	.139	.073	.069
544921	SR215C104KAA 🕿	.1μF	50	3.8x2.5x3.8x5.1	*	.111	.088	.057	.054
544884	SR211C104KAA 🕿	.1μF	100	3.8x2.5x3.8x5.1	*	.127	.09	.068	.061
332672	MOC100000/100 ₹	.1μF	100	5.0x5.0x3.0x2.5	*	.132	.096	.067	.064
332689	MOC150000/100 ↔	.15µF	50	5.0x5.0x3.0x2.5	.45	.405	.344	.275	.206
5//9/8	SB305C474KAA 🕿	//7uE	50	3 8v2 5v3 8v5 1	46	396	24	232	224

SR211C103KAA ₹

SR151C103KAA ₹

EXCLUSIVE

.01μF ¦ 100

100

.01µF !

Monolithic Ceramic Capacitors (±20%) (Z5U Series)

Quantity SAVE

* Prepackaged: please order in increments of 10

.118 .098 .046 .044

.103 .088 .054 .053

* Prepackaged: please order in increments of 10

	Cross	i	Volt.	Size (mm)			Pricing		
Part No.	Ref. No.	Value	(V)	WxTxHxL.S.	1	10	100	1000	5000
81543	MD10 ₹	10pF	50	3.5x2.0x3.0x2.5	*	\$.10	\$.065	\$.045	\$.035
332523	MOC10/100 ⊕	10pF	100	4.2x3.0x4.2x2.5	*	.089	.065	.046	.035
332531	MOC15/100 ⊕	15pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.076
81535	MD22 🕿	22pF	50	4.0x2.0x4.0x2.5	*	.105	.081	.05	.045
332541	MOC22/100 ₹	22pF	100	4.2x3.0x4.2x2.5	*	.10	.073	.051	.048
332558	MOC33/100 ⊕	33pF	100	4.2x3.0x4.2x2.5	*	.167	.122	.08	.076
332567	MOC47/100 ₹	47pF	100	4.2x3.0x4.2x2.5	.20	.118	.086	.06	.057
332574	MOC68/100 ⊕	68pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.076
81526	MD100 ⊕	100pF	50	3.5x2.0x3.0x2.5	*	.058	.042	.036	.035
81519	MD.001 🕿	.001µF	50	4.5x2.0x3.0x2.5	.20	.10	.078	.075	.068

	Cross		Volt.	Size (mm)			Pricing		
Part No.	Ref. No.	Value	(V)	WxTxHxL.S.	1	10	100	1000	5000
25509	MD.01 🕿	.01µF	50	3.5x2.0x3.0x2.5	*	\$.09	\$.06	\$.045	\$.041
57623	MD.047 🕿	.047µF	50	2.5x2.5x3.0x2.5	*	.08	.07	.05	.039
544868	SR151C472KAA 🕿	.1μF	50	3.8x2.5x4.0x2.5	*	.094	.06	.034	.032
25525	MD.1 🕿	.1µF	50	3.4x2.2x3.6x2.5	*	.078	.067	.044	.039
25541	MD.22 ⊕	.22µF	50	6.0x2.0x4.5x2.5	.21	.189	.133	.089	066
544930	SR215E334MAA	.33µF	50	3.8x2.5x3.8x5.1	.20	.174	.111	.087	.081
138238	MD.33 ⊕ ○	.33µF	50	6.0x2.0x8.0x2.5	.20	.178	.155	.122	.078
25560	MD.47 🕿	.47µF	50	4.5x2.5x4.5x2.5	.43	.39	.28	.21	.145
544956	SR305E105MAA	1μF	50	3.8x2.5x3.8x5.1	.20	.19	.149	.141	.131
81510	MD1 ⊕	1μF	50	6.0x3.0x7.0x2.5	.53	.48	.355	.255	.233

						Uln	er ivia	anun	acıu		
81533	MD22	22pF	50	4.0x2.0x4.0	*	\$.095	\$.073	\$.045	\$.04		
81517	MD.001	.001µF	50	4.5x2.0x3.0	*	.06	.053	.026	.021		
138181	MD.0022	.0022µF	50	4.0x2.0x5.5	.20	.07	.06	.05	.04		
25507	MD.01	.01µF	50	3.5x2.0x3.0	*	.10	.067	.05	.045		
57621	MD.047	.047µF	50	2.5x2.5x3.0	*	.072	.063	.045	.034		
*Capacitor d	*Capacitor dimensions and style may vary										

MEW

25540 MD.22 .22µF ! 6.0x2.0x4.5 .17 .12 .08 .06 138237 MD.33 .33µF ! 50 6.0x2.0x8.0 .084 25558 MD.47 47μF ! 50 4.5x2.5x4.5 .27 .25 .19 .13 .12 81509 6.0x3.0x7.0 .48 .43 .32 .23 .21

6.0x2.0x4.0

.1μF 🗜

Great Deals

MD.1

For more AVX Ceramic Capacitors visit www.Jameco.com

* Prepackaged: please order in increments of 5

\$.07 \$.06 \$.035

/:\Y/\:(

• DIP pakage

Tolerances: 10%, 20%

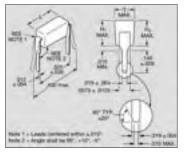
Operating temperature: X7R: -55°C Z5U: -10°C to 85°C

Length (L)	6.60mm (0.260")
Height (H1)	3.43mm (0.135")
Height (H2)	4.19mm (0.165")
Thickness	2.54mm (0.098")

Molded DIP Lead Ceramic Capacitors

irers

25523



Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	1	5	50
767236	MD015C102KAB ♠	X7R	1000pF	50	10%	*	\$.44	\$.43
767244	MD015C102MAB ♠	X7R	1000pF	50	20%	*	.38	.37
767210	MD011C102MAB ♠	X7R	1000pF	100	20%	*	.38	.37
848853	MD015C103KAB ♠	X7R	.01µF	50	10%	*	.44	.43
767228	MD011C103KAB ♠	X7R	.01µF	100	10%	*	.44	.43
848870	MD015C104KAB ♠	X7R	.1µF	50	10%	.51	.47	.43
848909	MD015C104MAB ♠	X7R	.1µF	50	20%	*	.38	.37
767252	MD015E103MAB ♠	Z5U	.01µF	50	20%	*	.23	.21
848933	MD015E104MAB ♠	Z5U	.1µF	50	20%	*	.26	.25
767261	MD025E474MAB ◆	Z5U	.47µF	50	20%	.75	.72	.70



Just Added Over 65,000 New Products

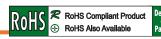
42 New Major Brands at www.Jameco.com

📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

🗷 RoHS compliant product 🕒 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



44



Motor & SMT Aluminum Electrolytic Capacitors

JAMECO ValuePro

Quantity SAVE

Motor Capacitors







Operating temp.: -25°C to +85°C Metal or plastic shell and double welding sheet metal

• Insulation resistance: >300M Ω · Quick connect

Motor Running Capacitors

	Cross	i	Volt.	Dimensions	Pricing					
Part No.	Ref. No.	Value	(V)	D x H (mm)	1	10	100	500		
332806	MRC370V4 ↔	4μF	370	34 x 50	\$5.05	\$4.80	\$4.33	\$3.25		
332814	MRC370V5 ⊕	5μF	370	34 x 50	3.85	3.47	2.78	2.09		
332822	MRC370V7R5 ⊕	7.5µF	370	36 x 80	5.89	3.96	3.38	2.54		
332831	MRC370V10 ⊕	10μF	370	42 x 80	4.85	4.06	3.46	2.60		
332865	MRC440V10 ⊕	10μF	440	40 x 70	6.49	5.47	4.72	3.54		
332849	MRC370V15 ⊕	15µF	370	40 x 70	6.05	5.07	4.38	3.29		
332873	MRC440V20 ⊕	20μF	440	40 x 70	9.99	8.51	7.27	5.45		
332857	MRC370V25 ⊕	25µF	370	40 x 70	8.05	6.76	5.83	4.37		

Motor Starting Capacitors

	Cross		Volt.	Dimensions		Prici	ng	
Part No.	Ref. No.	Value	(V)	D x H (mm)	1	10	100	500
332697	MSC125V21 ⊕	21µF	125	37 x 70	\$2.29	\$2.06	\$1.64	\$1.49
332769	MSC250V21 ⊕	21µF	250	37 x 70	2.95	2.80	2.66	2.00
332777	MSC250V30 ⊕	30µF	250	37 x 70	3.09	2.94	2.90	2.18
332785	MSC250V53 ⊕	53µF	250	46 x 86	3.85	3.25	3.02	2.67
332700	MSC125V124 ⊕	124µF	125	37 x 70	2.35	2.11	1.69	1.66
332718	MSC125V161 ⊕	161µF	125	37 x 70	2.55	2.37	2.06	1.78
332726	MSC125V189 ⊕	189µF	125	37 x 70	2.69	2.50	2.17	2.07
332734	MSC125V216 ⊕	216µF	125	37 x 86	3.25	2.93	2.64	2.38
332742	MSC125V270 ⊕	270µF	125	37 x 86	3.59	3.41	3.24	2.67
332751	MSC125V590 ⊕	590µF	125	46 x 111	6.15	5.84	5.55	4.73

Panasonic[®]

Surface Mount Aluminum Electrolytic Capacitors

For more Panasonic Capacitors visit www.Jameco.com

VS Series Aluminum Electrolytic Capacitors, Surface Mount

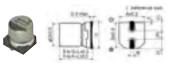
- Life time: 2,000 hours @ 85°C High CV volumetric efficiency
- Capacitance tolerance: ±20% General purpose
- Operating temperature range: -40°C to 85°C

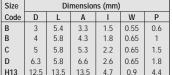
Size			Dime	ensions (n	nm)				
Code	Diameter	Height	Width	- 1	Pad Width	Pad Spacing			
Α	3	3 5.4		1.5	0.55	0.6			
В	4	5.4	4.3	1.8	0.65	1			
С	5	5.4	5.3	2.2	0.65	1.5			
D	6.3	5.4	6.6	2.6	0.65	1.8			
D2	6.3	5.7	5.7	5.7	5.7	6.6	2.6	0.65	1.8
D8	6.3	7.7	6.6	2.6	0.65	1.8			
E	8	6.2	8.3	3.4	0.65	2.2			
F	8	10.2	8.3	3.4	0.9	3.1			
G	10	10.2	10.3	3.5	0.9	4.6			



rk Series Alumi	num Electrolytic Capacitors, Suriace Mount
Low impedance	• Tolerance: +20%

- 30% to 50% smaller than FC Series
- Long life: 2,000 to 5,000 hours @ 105°C
- High CV volumetric efficiency
- Operating temperature range: -55°C to 105°C





* Prepackaged: please order in increments of 5

		Size	Voltage	Capacitance	Pricing				
Part No.	Product No.	Code	(V)	Value	1	5	50		
857451	ECE-V1HA010SR ♠	В	50	1μF	*	\$.159	\$.147		
857602	ECE-V1HS010SR ♠	Α	50	1µF	*	.178	.164		
857821	ECE-V1VA4R7SR ♠	В	35	4.7µF	*	.191	.176		
919148	ECE-V1CA100SR ♠	В	16	10μF	*	.235	.217		
919261	ECE-V1CS100SR ♠	Α	16	10μF	*	.178	.164		
857338	ECE-V1EA100SR ◆	С	25	10μF	*	.254	.235		
857696	ECE-V1VA100SR ♠	С	35	10μF	*	.223	.205		
919332	ECE-V1HA100SP ♠	D	50	10μF	*	.27	.249		
857856	ECE-V2AA100P ♠	F	100	10μF	.55	.452	.417		
857186	ECE-V1CA220SR ♠	С	16	22µF	*	.223	.205		
857207	ECE-V1CA220WR ♠	В	16	22µF	*	.213	.196		
857792	ECE-V1VA220SP ♠	D	35	22µF	*	.254	.235		
857485	ECE-V1HA220UP ♠	D2	50	22µF	*	.318	.294		
857151	ECE-V1AA330WR ♠	В	10	33µF	*	.165	.152		
857362	ECE-V1EA330SP ♠	D	25	33µF	*	.254	.235		
857549	ECE-V1HA330UP ♠	E	50	33µF	*	.318	.294		
857881	ECE-V2AA330P ♠	G	100	33µF	.69	.57	.519		
919236	ECE-V1CA470SP ♠	D	16	47µF	*	.254	.235		
857231	ECE-V1CA470WR ◆	С	16	47µF	*	.245	.226		
857397	ECE-V1EA470UP ♠	D2	25	47µF	*	.257	.238		
857573	ECE-V1HA470UP ♠	F	50	47µF	.51	.41	.379		
857637	ECE-V1JA470UP ♠	F	63	47µF	.69	.57	.519		
857098	ECE-V0JA101SP ♠	D	6.3	100μF	*	.254	.235		

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470µF

1000µF

		Size	Voltage	Capacitance	Pricing		
Part No.	Product No.	Code	(V)	Value	1	5	50
861484	EEV-FK1J4R7R ♠	С	63	4.7μF	*	\$.226	\$.209
860983	EEE-FK1J4R7R 🗷 🏚	С	63	4.7µF	*	.226	.209
861425	EEV-FK1C100R ₹ ♠	В	16	10μF	*	.181	.167
861011	EEE-FK1V100R 🗷 🏚	С	35	10μF	*	.215	.199
920747	EEV-FK1V100R ₹ ♠	С	35	10μF	*	.215	.199
860959	EEE-FK1H100P ₹ ♠	D	50	10μF	*	.254	.235
861450	EEV-FK1E220R ♠	С	25	22µF	*	.215	.199
860924	EEE-FK0J470R ♠	С	6.3	47µF	*	.215	.199
861513	EEV-FK1V470P ♠	D	35	47µF	*	.254	.235
920798	EEV-FK2A470Q 🕿 🏚	H13	100	47µF	1.39	1.09	.99
861361	EEV-FK0J101P ♠	D	6.3	100μF	*	.254	.235
861396	EEV-FK0J101UR ♠	С	6.3	100µF	*	.215	.199
860895	EEE-FK0J101UR 🗷 🍨	С	6.3	100µF	*	.215	.199
920712	EEV-FK1C101P ♠	D	16	100μF	*	.254	.235
920771	EEV-FK1V471Q 🕿 🏚	H13	35	470µF	1.35	1.05	.95
861548	EEV-FK1V681Q ₹ ♠	H13	35	680µF	1.35	1.05	.95

HA Series Aluminum Electrolytic Capacitors, Surface Mount

- Life time: 1,000 hours @ 105°C
- High CV volumetric efficiency
- Operating temperature range: 40°C to 105°C
- · Capacitance tolerance: ±20%
- General purpose





l	Size		Dimensions (mm)													
l	Code	Diameter	Height	Width	- 1	Pad Width	Pad Spacing									
	С	5.0	5.4	5.3	2.2	0.65	1.5									
l	D	6.3	5.4	6.6	2.6	0.65	1.8									

			**
K	Prepackaged:	please order	in increments of 5
I			

		Case	Voltage	Capacitance	Pricing				
Part No.	Product No.	Slize	(V)	Value	1	1 5			
861601	EEV-HA1H100P ♠	С	35	10μF	*	\$.183	\$.169		
861628	EEV-HB1V100R ♠	D	50	10μF	*	.191	.176		
861572	EEV-HA1C101WP ♠	D	16	100μF	*	.199			

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

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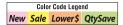
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RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



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857266

857303

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ECE-V1AA101SP ♠

ECE-V1CA101P ♠

ECE-V1CA101WP ♠

ECE-V1VA101P ♠

ECE-V1VA101XP ♠

ECE-V1HA101UP ♠

ECE-V1AA221P ♠

ECE-V1EA221UP ♠

ECE-V1VA221UP ◆

ECE-V1HA221P ♠

ECE-V1CA471P ◆

ECE-V1EA471P ♠

ECE-V0JA102P ♠

ECE-V1CA471UP ♠

SMT Aluminum Electrolytic Capacitors (Continued)

Color Code Legend New Sale Lower\$ QtySave









Leakage Current (20°C) after 2 minutes

≤ .01CV or 3µA





Tape

Individual

Operating Temperature Range: -40°C to +85°C

EXCLUSIVE

Please order in increments of 10

 $*$ Prepackaged: please order in increments of 10

	·			ı	Please orde	lease order in increments of						
	Cross	Value	Voltage	Dia.		Pricing						
Part No.	Ref. No.†	(μF)	(V)	(mm)	10	100	500					
610802	UWX1H0R1MCL1GB ₹	0.1	50	4.0	\$.108	\$.096	\$.091					
610811	UWX1H0R1MCL2GB ₹	0.1	50	3.0	.108	.096	.091					
610829	UWX1HR22MCL1GB ₹	0.22	50	4.0	.108	.096	.091					
610837	UWX1HR22MCL2GB ₹	0.22	50	3.0	.108	.096	.091					
610845	UWX1HR33MCL1GB ₹	0.33	50	4.0	.108	.096	.091					
610853	UWX1HR33MCL2GB ₹	0.33	50	3.0	.108	.096	.091					
610861	UWX1HR47MCL1GB ₹	0.47	50	4.0	.108	.096	.091					
610870	UWX1HR47MCL2GB ₹	0.47	50	3.0	.108	.096	.091					
610888	UWX1V2R2MCL2GB ₹	2.2	35	4.0	.103	.096	.088					
610896	UWX1V3R3MCL2GB ₹	3.3	35	4.0	.103	.096	.088					
610909	UWX1V4R7MCL1GB ₹	4.7	35	4.0	.103	.096	.088					

	Cross	Value	Voltage	Dia.			
Part No.	Ref. No.†	(μF)	(V)	(mm)	10	500	
610706	UWX0G220MCL2GB ₹	22	4	3.0	\$.108	\$.096	\$.091
610773	UWX1A220MCL1GB ₹	22	10	4.0	.103	.096	.091
610722	UWX0G330MCL1GB ₹	33	4	4.0	.108	.096	.091
610749	UWX0J330MCL1GB ₹	33	6.3	4.0	.113	.096	.091
610781	UWX1A330MCL1GB ₹	33	10	4.0	.113	.096	.091
610731	UWX0G470MCL1GB	47	4	4.0	.108	.096	.091
610757	UWX0J470MCL1GB ₹	47	6.3	5.0	.108	.096	.091
610790	UWX1A470MCL1GB ₹	47	10	5.0	.113	.096	.091
610693	UWX0G101MCL1GB ₹	100	4	5.0	.113	.096	.091
610765	UWX1A101MCL1GB ₹	100	10	6.3	.113	.096	.091
610714	UWX0G221MCL1GB ₹	220	4	6.3	.146	.136	.104

Operating Temperature Range: -55°C to +105°C

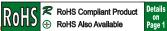
* Prepackaged: please order in increments of 10

	Cross	Value	Voltage	Dia.	i i	Pric	ing			Cross	Value	Voltage	Dia.		Pric	ing	
Part No.	Ref. No.†	(μF)	(V)	(mm)	1	10	100	500	Part No.	Ref. No.†	(μF)	(V)	(mm)	1	10	100	500
610431	UWT1H0R1MCL1GB ₹	0.1	50	4.0	*	\$.116	\$.108	\$.098	610335	UWT1C470MCL1GB ₹	47	16	6.3	\$.20	\$.177	\$.152	\$.096
610546	UWT1HR22MCL1GB ₹	0.22	50	4.0	*	.116	.108	.098	608534	UUD1C470MCL1GS ₹	47	16	6.3	.51	.447	.418	.352
610562	UWT1HR33MCL1GB ₹	0.33	50	4.0	*	.116	.108	.098	610386	UWT1E470MCL1GB	47	25	6.3	.26	.213	.185	.176
610589	UWT1HR47MCL1GB ₹	0.47	50	4.0	*	.116	.108	.098	608606	UUD1E470MCL1GS ₹	47	25	6.3	.51	.447	.418	.352
610423	UWT1H010MCL2GB ₹	1 1	50	4.0	*	.116	.108	.098	610677	UWT1V470MCL1GS ₹	47	35	6.3	.27	.213	.199	.168
608631	UUD1H010MCL1GS ₹	1	50	4.0	.42	.367	.343	.29	608770	UUD1V470MCL1GS ₹	47	35	6.3	.51	.431	.408	.352
610634	UWT1V2R2MCL2GB ₹	2.2	35	4.0	*	.116	.108	.098	610520	UWT1H470MCL1GS ₹	47	50	6.3	.27	.253	.239	.225
610491	UWT1H2R2MCL1GB ₹	2.2	50	4.0	*	.116	.108	.098	608518	UUD1A680MCL1GS ₹	68	10	_	.51	.447	.418	.352
608665	UUD1H2R2MCL1GS ₹	2.2	50	4.0	.42	.367	.343	.29	608542	UUD1C680MCL1GS ₹	68	16	6.3	.51	.447	.418	.352
610669	UWT1V3R3MCL2GB ₹	3.3	35	4.0	*	.134	.12	.098	608622	UUD1E680MCL1GS ₹	68	25	6.3	.51	.447	.418	.352
608681	UUD1H3R3MCL1GS ₹	3.3	50	4.0	.42	.367	.343	.29	608796	UUD1V680MCL1GS ₹	68	35	6.3	.54	.472	.442	.224
610407	UWT1E4R7MCL1GB ₹	4.7	25	4.0	*	.116	.108	.08	608711	UUD1H680MNL1GS ₹	68	50	8.0	.65	.57	.53	.269
610685	UWT1V4R7MCL1GB ₹	4.7	35	4.0	*	.149	.12	.098	610095	UWT0G101MCL1GB ₹	100	4	6.3	*	.146	.137	.118
608788	UUD1V4R7MCL1GS ₹	4.7	35	4.0	.42	.367	.343	.29	608403	UUD0J101MCL1GS ₹	100	6.3	6.3	.51	.447	.418	.352
610538	UWT1H4R7MCL1GB ₹	4.7	50	5.0	*	.149	.139	.118	610132	UWT0J101MCL1GB ₹	100	6.3	6.3	*	.146	.137	.118
608702	UUD1H4R7MCL1GS ₹	4.7	50	4.0	.47	.403	.386	.325	608462	UUD1A101MCL1GS ₹	100	10	_	.51	.447	.418	.352
610263	UWT1C100MCL1GB ₹	10	16	4.0	*	.116	.108	.098	610280	UWT1C101MCL1GB 🕿	100	16	7.0	.23	.21	.189	.17
610343	UWT1E100MCL1GB 🕿	10	25	5.0	.20	.164	.144	.096	608569	UUD1E101MCL1GS 🗷	100	25	6.3	.54	.472	.442	.224
610600	UWT1V100MCL1GB ₹	10	35	5.0	.20	.164	.144	.096	608737	UUD1V101MNL1GS 🗷	100	35	8.0	.65	.57	.53	.269
608729	UUD1V100MCL1GS ₹	10	35	5.0	.47	.413	.386	.326	610466	UWT1H101MNL1GS ₹	100	50	8.0	.35	.27	.252	.23
610458	UWT1H100MCL1GB ₹	10	50	6.3	.20	.164	.152	.096	608657	UUD1H101MNL1GS ₹	100	50	8.0	.62	.518	.492	.269
608649	UUD1H100MCL1GS ₹	10	50	6.3	.51	.431	.408	.352	610116	UWT0G221MCL1GB ₹	220	4	6.3	.26	.213	.184	.12
610108	UWT0G220MCL1GB ₹	22	4	4.0	*	.116	.108	.098	610175	UWT0J221MCL1GB₹	220	6.3	6.3	.22	.213	.16	.128
610167	UWT0J220MCL1GB ₹	22	6.3	4.0	*	.116	.108	.098	608438	UUD0J221MCL1GS₹	220	6.3	6.3	.51	.447	.418	.352
610239	UWT1A220MCL1GB ₹	22	10	4.0	*	.149	.139	.118	608526	UUD1C221MCL1GS₹	220	16	6.3	.54	.472	.442	.224
608489	UUD1A220MCL1GS ₹	22	10	4.0	.42	.367	.343	.29	610301	UWT1C221MCL1GS₹	220	16	6.3	.27	.213	.199	.104
610298	UWT1C220MCL1GB ₹	22	16	5.0	.20	.167	.144	.096	610626	UWT1V221MNL1GS₹	220	35	8.0	.34	.321	.248	.23
610351	UWT1E220MCL1GB ₹	22	25	5.0	.20	.177	.152	.096	610482	UWT1H221MNL1GS₹	220	50	10.0	.43	.331	.31	.276
608577	UUD1E220MCL1GS ₹	22	25	22.0	.47	.413	.386	.326	610191	UWT0J331MCL1GS₹	330	6.3	6.3	.27	.213	.199	.122
610618	UWT1V220MCL1GB ₹	22	35	6.3	.20	.177	.152	.096	610327	UWT1C331MNL1GS₹	330	16	8.0	.33	.30	.27	.243
608745	UUD1V220MCL1GS ₹	22	35	5.0	.47	.403	.386	.325	610378	UWT1E331MNL1GS ₹	330	25	8.0	.33	.257	.242	.23
610474	UWT1H220MCL1GB ₹	22	50	6.3	.26	.213	.184	.18	610651	UWT1V331MNL1GS₹	330	35	10.0	.43	.331	.31	.272
610124	UWT0G330MCL1GB ₹	33	4	4.0	*	.116	.108	.103	608761	UUD1V331MNL1GS	330	35	10.0	.70	.61	.57	.289
610183	UWT0J330MCL1GB	33	6.3	4.0	*	.116	.108	.103	610212	UWT0J471MNL1GS	470	6.3	8.0	.33	.257	.24	.199
610247	UWT1A330MCL1GB	33	10	5.0	*	.149	.139	.118	608500	UUD1A471MNL1GS	470	10	8.0	.65	.57	.53	.269
608497	UUD1A330MCL1GS	33	10	5.0	.47	.413	.386	.326	610394	UWT1E471MNL1GS	470	25	10.0	.43	.331	.31	.26
610319	UWT1C330MCL1GB ₹	33	16	5.0	.20	.167	.152	.096	608614	UUD1E471MNL1GS	470	25	10.0	.75	.62	.58	.304
610360	UWT1E330MCL1GB	33	25	6.3	.20	.187	.152	.096	610221	UWT0J681MNL1GS₹	680	6.3	8.0	.33	.257	.24	.199
608585	UUD1E330MCL1GS 🗷	33	25	6.3	.51	.447	.418	.352	608454	UUD0J681MNL1GS	680	6.3	8.0	.65	.57	.53	.269
610642	UWT1V330MCL1GB	33	35	6.3	.26	.213	.184	.12	608551	UUD1C681MNL1GS	680	16	10.0	.70	.61	.57	.289
608753	UUD1V330MCL1GS	33	35	6.3	.51	.447	.418	.352	610141	UWT0J102MNL1GS	1000	6.3	8.0	.33	.257	.24	.23
610511	UWT1H330MCL1GS ₹	33	50	6.3	.28	.258	.236	.225	608411	UUD0J102MNL1GS	1000	6.3	8.0	.65	.57	.53	.269
610204	UWT0J470MCL1GB	47	6.3	5.0	*	.136	.127	.118	608471	UUD1A102MNL1GS	1000	10	10.0	.68	.58	.55	.289
608446	UUD0J470MCL1GS 🗷	47	6.3	5.0	.47	.413	.386	.326	610159	UWT0J152MNL1GS	1500	6.3	10.0	.43	.331	.31	.276
610255	UWT1A470MCL1GB	47	10	5.0	.20	.164	.152	.096	608420	UUD0J152MNL1GS ₹	1500	6.3	10.0	.70	.61	.57	.323

[†] Cross Reference: Panasonic: VS Series

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





NEW

Surface Mount Ceramic Capacitors

0805 Case Size 0402 Case Size 0603 Case Size Length (L) 1.0mm ±0.10mm (0.40" ±0.004") 1.60 ±0.15 (0.063" ±0.006") 2.01mm ±0.20mm (0.79" ±0.008") Width (W) 0.50mm ±0.10mm (0.020" ±0.004") 0.81mm ±0.15mm (0.032" ±0.006") 1.25mm ±0.20mm (0.049" ±0.008") Thickness (T) 0.50mm ±0.05mm (0.20" ±0.006") 0.80mm ±0.10mm (0.030" ±0.006") 1.25mm ±0.20mm (0.020" ±0.010") 1210 Case Size 1812 Case Size Size 1206 Case Size Length (L) 3.2mm ±0.20mm (0.126" ±0.008") 3.2mm ±0.20mm (0.126" ±0.008") 4.5mm ±0.30mm (0.177" ±0.012") Width (W) 1.60mm ±0.20mm (0.063" ±0.008") 2.5mm ±0.20mm (0.098" ±0.008") 3.2mm ±0.20mm (0.126" ±0.008") 0.50mm ±0.25mm (0.020" ±0.10") Refer to Datasheet Refer to Datasheet Thickness (T)



For more AVX Ceramic Capacitors visit www.Jameco.com



Temperature Coefficient :	COG (NPO) = -55°C to +125°C
	X7R = -55°C to +125°C
	X5R = -55°C to +85°C
	Y5V = -30°C to +85°C

Size 0402 Multilaver Ceramic Chins

Prepackaged: please order

Size 0603 Multilayer Ceramic Chips (Continued)

Prepackaged: please order in increments of 5

3120 04	102 Muitilayer C	in iı	ncrements of 5						
		Temp.		Voltage		Pricing			
Part No.	Product No.	Coeff.	Value	(V)	Tolerance	5	50		
765661	04025A4R7CAT2A ₹ ♠	NP0	4.7pF	50	0.25pF	\$.053	\$.051		
765679	04025A6R8CAT2A ₹ ♠	NP0			0.25pF	.053	.051		
734821	04025A100JAT2A ₹ ♠	NP0	10pF	50	5%	.024	.023		
765601	04025A100KAT2A ₹ ♠	NP0	10pF	50	10%	.053	.051		
765628	04025A150JAT2A ₹ ♠	NP0	15pF	50	5%	.053	.051		
765636	04025A180JAT2A ₹ ♠	NP0	18pF	50	5%	.053	.051		
765644	04025A220JAT2A ₹ ♠	NP0	22pF	50	5%	.053	.051		
734848	04025A270JAT2A ₹ ♠	NP0			5%	.106	.063		
765652	04025A330JAT2A ₹ ♠	NP0			5%	.053	.051		
734856	04025A470JAT2A ₹ ♠	NP0	47pF	50	5%	.024	.023		
734864	04025A680JAT2A ₹ ♠	NP0	68pF	50	5%	.106	.063		
765610	04025A101KAT2A ₹ ♠	NP0	100pF	50	10%	.053	.051		
734830	04025A151JAT2A 🕿 🏚	NP0	150pF	25	5%	.109	.106		
734813	04023A221JAT2A ₹ ♠	NP0	220pF	25	5%	.053	.051		
734901	0402YD473KAT2A 🕿 🍨	X5R	0.047µF	16	10%	.053	.051		
765708	04026D104KAT2A 🕿 ♠	X5R	0.1µF	6.3	10%	.132	.129		
734910	0402ZD104KAT2A 🕿 🍨	X5R	0.1µF	10	10%	.132	.129		
734881	0402YC102KAT2A 🕿 ♠	X7R	1000pF	16	10%	.053	.051		
734872	04025C102JAT2A ₹ ♣	X7R	1000pF	50	5%	.067	.064		
765687	04025C152KAT2A ₹ ♠	X7R	1500pF	50	10%	.053	.051		
765695	04025C332KAT2A ₹ ♠	X7R	3300pF	50	10%	.106	.063		
734899	0402YC223KAT2A ₹ ♠	X7R	0.022µF	16	10%	.067	.064		

					in increments					
		Temp.		Voltage		Pric	ing			
Part No.	Product No.	Coeff.	Value	(V)	Tolerance	5	50			
765716	06031A100KAT2A ₹ ♠	NP0	10pF	100	10%	\$.02	\$.019			
766049	06035A120KAT2A ₹ ♠	NP0	12pF	50	10%	.032	.031			
765927	06033A150JAT2A ₹ ♠	NP0	15pF	25	5%	.034	.033			
734928	06031A150JAT2A ₹♠	NP0	15pF	100	5%	.02	.019			
766065	06035A180KAT2A ₹ ♠	NP0	18pF	50	10%	.032	.031			
765741	06031A180JAT2A ₹ ♠	NP0	18pF	100	5%	.02	.019			
735138	06035A200JAT2A ₹ ♠	NP0	20pF	50	5%	.034	.033			
765935	06033A220JAT2A ₹ ♠	NP0	22pF	25	5%	.034	.033			
735146	06035A220KAT2A ₹ ♠	NP0	22pF	50	10%	.032	.031			
765759	06031A220KAT2A ₹ ♠	NP0	22pF	100	10%	.02	.019			
735154	06035A270FAT2A ₹ ♠	NP0	27pF	50	1%	.106	.105			
735162	06035A270JAT2A ₹ ♠	NP0	27pF	50	5%	.153	.107			
766090	06035A270KAT2A ₹ ♠	NP0	27pF	50	10%	.032	.031			
766137	06035A330KAT2A ₹ ♠	NP0	33pF	50	10%	.032	.031			
765783	06031A330KAT2A ₹ ♠	NP0	33pF	100	10%	.02	.019			
765791	06031A390JAT2A ₹ ♠	NP0	39pF	100	5%	.033	.032			
765943	06033A470KAT2A ₹ ♠	NP0	47pF	25	10%	.032	.031			
735200	06035A470KAT2A ₹ ♠	NP0	47pF	50	10%	.032	.031			
734944	06031A470JAT2A ₹ ♠	NP0	47pF	100	5%	.033	.032			
766161	06035A510JAT2A ♠	NP0	51pF	50	5%	.034	.033			
735242	06035A560JAT2A ♠	NP0	56pF	50	5%	.033	.032			
765812	06031A560JAT2A ₹ ♠	NP0	56pF	100	5%	.033	.032			
735269	06035A680JAT2A ₹ ♠	NP0	68pF	50	5%	.079	.076			
766321	0603YA820KAT2A ₹ ♠	NP0	82pF	16	10%	.032	.031			
734979	06033A101JAT2A ₹♠	NP0	100pF	25	5%	.033	.032			
765919	06033A101KAT2A ₹ ♠	NP0	100pF	25	5%	.032	.031			

Size 0603 Multilayer Ceramic Chips Prepackaged: please order in increments of 5						735269	06035A680JAT2A ₹ ♠	NP0		50	5%	.079	.076		
		Temp.		Voltage		Prici		766321 734979	0603YA820KAT2A ₹ ♠ 06033A101JAT2A ₹ ♠	NP0 NP0		16 25	10% 5%	.032	.031
Part No.	Product No.		Value		Tolerance	5	50	765919	06033A1015A12A ₹ ♣		100pri	25	5%	.033	.032
766031	06035A0R5CAT2A ₹ ♠	NP0	0.5pF	50	0.25pF	\$.035	\$.033	735074	06035A101JAT2A ♠		100pF	50	5%	.025	.024
735111	06035A1R0CAT2A ₹ ♠	NP0			0.25pF	.036	.035	735082	06035A101KAT2A ₹ ♠		100pF	50	10%	.055	.053
766073	06035A1R5CAT2A ₹ ♠	NP0	1.5pF	50	0.25pF	.038	.036	765724	06031A101KAT2A ₹ ♠		100pF	100	10%	.02	.019
735120	06035A1R8CAT2A ₹ ♠	NP0	1.8pF	50	0.25pF	.021	.02	766057	06035A151KAT2A ₹ ♠	NP0	150pF	50	10%	.036	.035
766111	06035A2R0CAT2A ₹ ♠	NP0	2pF	50	0.25pF	.036	.035	765732	06031A151JAT2A ₹ ♠		150pF	100	5%	.037	.035
735171	06035A2R2CAT2A ₹ ♠	NP0	2.2pF	50	0.25pF	.035	.033	735103	06035A181JAT2A ₹ ♠	NP0	180pF	50	5%	.037	.035
765767	06031A2R2CAT2A ₹ ♠	NP0	2.2pF	100	0.25pF	.036	.035	766081	06035A221KAT2A ♠	NP0	220pF	50	10%	.036	.035
766129	06035A2R7CAT2A ₹ ♠	NP0	2.7pF	50	0.25pF	.055	.053	734936	06031A221JAT2A ₹♠	NP0	220pF	100	5%	.038	.037
765775	06031A2R7CAT2A ₹ ♠	NP0	2.7pF	100	0.25pF	.055	.053	766102	06035A271KAT2A ₹ ♠	NP0	270pF	50	10%	.036	.035
766145	06035A3R0CAT2A ₹ ♠	NP0	3pF	50	0.25pF	.035	.033	735218	06035A471JAT2A ₹ ♠	NP0	470pF	50	5%	.049	.047
735189	06035A3R3CAT2A ₹ ♠		3.3pF		0.25pF	.035	.033	735226	06035A471KAT2A ₹ ♠	NP0	470pF	50	10%	.048	.046
765804	06031A3R3CAT2A ₹ ♠	NP0	3.3pF	100	0.25pF	.036	.035	734987	06033A102JAT2A ₹ ♠	NP0	1000pF	25	5%	.058	.056
735197	06035A3R9CAT2A ₹ ♠		3.9pF	50	0.25pF	.036	.035	735091	06035A102JAT2A ♠	NP0	1000pF	50	5%	.035	.033
766153	06035A4R0CAT2A ₹ ♠	NP0	4pF	50	0.25pF	.035	.033	735648	0603YD474KAT2A ₹ ♠	X5R	.47µF	16	10%	.124	.119
735234	06035A4R7CAT2A ₹ ♠		4.7pF	50	0.25pF	.036	.035	735517	06036D105KAT2A ♠	X5R	1μF	6.3	10%	.131	.127
766170	06035A5R0CAT2A ₹ ♠		5pF	50	0.25pF	.036	.035	735630	0603YD105KAT2A ♠	X5R	1μF	16	10%	.079	.075
735251	06035A5R6CAT2A ₹ ♠		5.6pF		0.25pF	.035	.033	735525	0603YC101KAT2A ₹ ♠	X7R	100pF	16	10%	.033	.031
766188	06035A5R6DAT2A ₹ ♠		5.6pF	50	0.5pF	.034	.033	735293	06035C101KAT2A ₹ ♠	X7R	100pF	50	10%	.079	.067
766196	06035A6R0CAT2A ₹ ♠	NP0	6pF	50	0.25pF	.036	.035	765847	06031C101KAT2A ₹ ♠	X7R	100pF	100	10%	.034	.033
766209	06035A6R0DAT2A ₹ ♠				0.5pF	.034	.033	766225	06035C181KAT2A ₹ ♠	X7R	180pF	50	10%	.034	.033
735277	06035A6R8CAT2A ₹ ♠		6.8pF	50	0.25pF	.19	.119	765978	06033C221MAT2A ₹ ♠	X7R	220pF	25	20%	.032	.031
765821	06031A6R8DAT2A ₹ ♠		6.8pF		0.5pF	.02	.019	735381	06035C221KAT2A ₹ ♠	X7R	220pF	50	10%	.034	.033
765839	06031A8R0CAT2A ₹ ♠				0.25pF	.036	.035	766241	06035C221MAT2A ₹ ♠	X7R	220pF	50	20%	.032	.031
735285	06035A8R2CAT2A ₹ ♠		8.2pF		0.25pF	.036	.035	766330	0603YC333KAT4A ₹ ♠	X7R		16	10%	.046	.044
735040	06035A100CAT2A ₹ ♣		10pF		0.25pF	.035	.033	735429	06035C331KAT2A ₹ ♠	X7R	330pF	50	10%	.033	.032
735058	06035A100DAT2A ₹ ♠		10pF		0.5pF	.033	.032	765880	06031C331KAT2A ₹ ♠		330pF	100	10%	.02	.019
735066	06035A100KAT2A ₹ ♠	NP0	10pF	50	10%	.032	.031	734961	06031C471KAT2A ₹ ♠	X7R	470pF	100	10%	.02	.019

[📤] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.



Surface Mount Ceramic Capacitors (Continued)



Color Code Legend New Sale Lower\$ QtySave



Surface Mount Ceramic Capacitors (Continued)

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Prepackaged: please order in increments of 5 Size 0603 Multilayer Ceramic Chips (Continued)

Size 0805 Multilayer Ceramic Chips

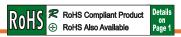
Prepackaged: please order in increments of 5

0120 00	US Mulliayer Ce	uiiii	o omp	5 (0011	imacaj	ın ın	crements of 5	0120 00	oos munnayer c	crum				ını	ncrements of 5
		Temp.		Voltage		Pric				Temp.		Voltage		Prici	
Part No.	Product No.	Coeff.	Value	(V)	Tolerance	5	50	Part No.	Product No.	Coeff.	Value	(V)	Tolerance	5	50
766276	06035C561KAT2A ₹ ♠	X7R	560pF	50	10%	\$.034	\$.033	766701	08055A1R0CAT2A ₹ ♠	NP0	1pF	50	.25pF	\$.038	\$.036
735496	06035C681KAT2A ₹ ♠	X7R	680pF	50	10%	.033	.031	766735	08055A2R2CAT2A ₹ ♠	NP0	2.2pF	50	.25pF	.038	.036
765898	06031C681JAT2A ₹ ♠	X7R	680pF	100	5%	.048	.046	766751	08055A3R3CAT2A ₹ ♠	NP0	3.3pF	50	.25pF	.038	.036
765901	06031C681KAT2A ₹ ♠	X7R			10%	.033	.031	766516	08051A3R3DAT2A ₹ ♠	NP0	3.3pF	100	.5pF	.036	.035
766348	0603ZC102KAT2A ₹ ♠		1000pF		10%	.034	.033	736114	08055A6R8CAT2A ₹ ♠	NP0	6.8pF	50	.25pF	.11	.099
735533	0603YC102KAT2A ₹ ♠		1000pF		10%	.034	.033	766760	08055A6R8DAT2A ₹ ♠	NP0	6.8pF	50	.5pF	.036	.035
734995	06033C102KAT2A ₹ ♠		1000pF		10%		.033	766541	08051A6R8CAT2A ₹ ♠	NP0	6.8pF	100	.25pF	.021	.02
						.033		766786	08055A8R2DAT2A ₹ ♠	NP0	8.2pF	50	.5pF	.036	.035
765951	06033C102MAT2A ₹ ♠		1000pF		20%	.034	.033	766655	08055A100DAT2A ₹ ♠	NP0	10pF	50	.5pF	.022	.021
735306	06035C102JAT2A ₹ ♠		1000pF		5%	.023	.021	735867	08055A100JAT2A ₹ ♠	NP0	10pF		5%	.022	.021
766217	06035C102KAT4A ₹ ♠		1000pF		10%	.019	.017	735875	08055A100KAT2A ₹ ♠	NP0	10pF		10%	.022	.021
735314	06035C102MAT2A ₹ ♠	X7R	1000pF	50	20%	.032	.031	766381	08051A100KAT2A ₹ ♠	NP0	10pF	100	10%	.022	.021
765855	06031C102JAT2A ₹ ♠	X7R	1000pF	100	5%	.048	.046	766671	08055A120JAT2A ₹ ♠	NP0			5%	.022	.021
735357	06035C122KAT2A ₹ ♠	X7R	1200pF	50	0%	.033	.031	766399	08051A120JAT2A ₹ ♠	NP0			5%	.022	.02
735365	06035C152KAT2A ₹ ♠	X7R	1500pF	50	10%	.055	.051	735939	08055A150JAT2A ₹ ♠	NP0	15pF		5%	.037	.035
734952	06031C152KAT2A ₹ ♠		1500pF		10%	.033	.031	735955	08055A180JAT2A ₹ ♠	NP0	18pF		5%	.022	.021
766233	06035C182KAT2A ₹ ♠		1800pF		10%	.033	.031	766428	08051A180JAT2A ♠	NP0	18pF		5%	.022	.021
765871	06031C182KAT2A ₹ ♠		1800pF		10%	.034	.033	735963		NP0		50			
735584	0603YC222KAT2A ₹ ♠		2200pF		10%	.034	.033	735963	08055A200JAT2A ₹ ♠ 08055A220JAT2A ₹ ♠	NP0	20pF 22pF		5% 5%	.038 .10	.037 .09
765986	06033C222KAT2A ♣		2200pf		10%	.034	.033	735971		NP0			10%		
735390	06035C222KAT2A ₹ ♠		2200pF 2200pF		5%	.034	.046		08055A220KAT2A ₹ ♠					.033	.031
		1						735699	08051A220JAT2A ₹ ♠	NP0	22pF		5%	.019	.018
735402	06035C222KAT2A ₹ ♠		2200pF		10%	.033	.031	766436	08051A220KAT2A ₹ ♠	NP0	22pF		10%	.022	.021
766250	06035C222MAT2A ₹ ♠		2200pF		20%	.034	.033	736018	08055A270JAT2A ₹ ♠	NP0	27pF		5%	.022	.021
766268	06035C272KAT2A ₹ ♠		2700pF		10%	.034	.033	766727	08055A270KAT2A ₹ ♠	NP0			10%	.034	.033
766006	06033C332KAT2A ₹ ♠		3300pF		10%	.034	.033	766452	08051A270JAT2A ₹ ♠	NP0			5%	.037	.035
735437	06035C332JAT2A ₹ ♠	X7R	3300pF	50	5%	.048	.046	766461	08051A270KAT2A ₹ ♠	NP0	27pF		10%	.034	.033
735445	06035C332KAT2A ₹ ♠	X7R	3300pF	50	10%	.033	.031	736026	08055A300JAT2A ₹ ♠	NP0	30pF	50	5%	.038	.037
735461	06035C392KAT2A ₹ ♠	X7R	3900pF	50	10%	.02	.019	736034	08055A330JAT2A ₹ ♠	NP0	33pF	50	5%	.022	.021
766022	06033C472KAT2A ₹ ♠	X7R	4700pF	25	10%	.033	.031	766743	08055A330KAT2A ₹ ♠	NP0	33pF	50	10%	.034	.033
735470	06035C472JAT2A ₹ ♠	X7R	4700pF	50	5%	.024	.023	735701	08051A330JAT2A ₹ ♠	NP0	33pF		5%	.038	.036
735488	06035C472KAT2A ₹ ♠		4700pF		10%	.079	.067	735710	08051A330KAT2A ₹ ♠	NP0	33pF		10%	.022	.021
766284	06035C562KAT2A ₹ ♠		5600pF		10%	.034	.033	736042	08055A390JAT2A ₹ ♠	NP0	39pF	50	5%	.037	.035
766292	06035C682KAT2A ₹ ♠		6800pF		10%	.034	.033	766495	08051A390JAT2A ₹ ♠	NP0	39pF	100	5%	.022	.021
766305	06035C822KAT2A ₹ ♣		8200pF		10%	.034	.033	736069	08055A470JAT2A ₹ ♠	NP0	47pF	50	5%	.037	.035
								736077	08055A470KAT2A ♠	NP0	47pF	50	10%	.022	.021
766356	0603ZC103MAT2A ₹ ♠		0.01µF		20%	.032	.031	766524	08051A470KAT2A 🕿 🍨	NP0	47pF	100	10%	.022	.021
735541	0603YC103KAT2A ♠		0.01µF		10%	.15	.126	736085	08055A560JAT2A ₹ ♠	NP0	56pF	50	5%	.022	.021
735007	06033C103KAT2A ₹ ♠		0.01µF		10%	.033	.031	735736	08051A560JAT2A ₹ ♠	NP0	56pF	100	5%	.022	.021
735015	06033C103MAT2A ₹ ♠		0.01µF		20%	.032	.031	736106	08055A680JAT2A ₹ ♠	NP0	68pF	50	5%	.022	.021
735322	06035C103JAT2A ₹ ♠		0.01µF		5%	.047	.045	766778	08055A820KAT2A ₹ ♠	NP0	82pF	50	10%	.034	.033
735331	06035C103KAT4A ₹ ♠	X7R	0.01µF	50	10%	.033	.031	766663	08055A101JAT4A ₹ ♠	NP0	100pF	50	5%	.022	.021
735349	06035C103MAT2A ₹ ♠	X7R	0.01µF	50	20%	.031	.029	735883	08055A101KAT2A ₹ ♠	NP0	100pF	50	10%	.033	.029
765863	06031C103JAT2A ₹ ♠	X7R	0.01µF	100	5%	.048	.046	735681	08051A101KAT2A ₹ ♠	NP0	100pF	100	10%	.033	.032
765960	06033C153JAT2A ₹ ♠		0.015µF		5%	.062	.06	735912	08055A121JAT2A ₹ ♠	NP0	120pF	50	5%	.022	.021
735373	06035C153JAT2A ₹ ♠		0.015µF		5%	.062	.061	735947	08055A151JAT2A ₹ ♠	NP0	150pF	50	5%	.022	.021
735592	0603YC223KAT2A ₹ ♠		0.013µl 0.022µF		10%	.002	.044	766401	08051A151JAT2A ₹ ♠		150pF		5%	.022	.021
	06033C223JAT2A ₹ ♣							766410	08051A151SAT2A ₹ ♠	l	150pi		10%	.022	.021
765994			0.022µF		5%	.062	.06	766698	08055A181JAT2A ₹ ♠		180pF		5%	.022	.036
735023	06033C223KAT2A ₹ ♠		0.022µF		10%	.019	.018	735998	08055A221JAT2A ₹ ♠		220pF		5%	.037	.035
735411	06035C273KAT2A ₹ ♠		0.027µF		10%	.047	.046	735998	08055A221KAT2A ₹ ♠		220pF 220pF		10%	.037	.035
735605	0603YC333KAT2A ₹ ♠		0.033µF		10%	.046	.044	I	08055A221JAT4A ₹ ♣		220pF 220pF		1		.033
766014	06033C333JAT2A ₹ ♠		0.033µF		5%	.062	.06	766719					5%	.037	
735031	06033C333KAT2A ₹ ♠		0.033µF		10%	.046	.044	766444	08051A221KAT2A ₹ ♠	l	220pFi		10%	.037	.035
735453	06035C333KAT2A ₹ ♠	X7R	0.033µF	50	10%	.046	.044	766479	08051A271JAT2A ₹ ♠		270pF		5%	.037	.036
735613	0603YC473KAT2A ₹ ♠		0.047µF		10%	.15	.12	735728	08051A331JAT2A ₹ ♠		330pF		5%	.037	.035
735621	0603YC683KAT2A ₹ ♠		0.068µF		10%	.064	.062	766487	08051A331KAT2A ₹ ♠	l	330pF		10%	.037	.036
735550	0603YC104JAT2A ₹ ♠		0.1µF		5%	.014	.013	736051	08055A391JAT2A ₹ ♠	l	390pF		5%	.037	.036
735568	0603YC104KAT4A ₹ ♠				10%	.08	.07	766508	08051A391JAT2A ₹ ♠		390pF		5%	.037	.036
735576	0603YC104KAT4A ₹ €		0.1μF 0.1μF		20%	.062	.06	766532	08051A471KAT2A ₹ ♠		470pF		10%	.037	.036
								736093	08055A561JAT2A ₹ ♠		560pF		5%	.042	.04
735664	0603ZC224KAT2A ₹ ♠		0.22µFi		10%	.056	.054	736122	08055A821JAT2A ₹ ♠	NP0	820pF	50	5%	.042	.04
735672	0603ZC224MAT2A ₹ ♠		0.22µF		20%	.095	.089	735891	08055A102FAT2A ₹ ♠	l	1000pF		1%	.162	.16
766313	06035G103ZAT2A ₹ ♠		0.01µF		+80/-20%	.02	.019	735904	08055A102KAT2A ₹ ♠	l	1000pF		10%	.052	.05
766364	0603ZG104ZAT2A ₹ ♠	Y5V			+80/-20%	.027	.026	735921	08055A122JAT2A 🕿 ♠		1200pF		5%	.072	.071
735656	0603YG104ZAT2A ₹ ♠	Y5V	0.1µF	16	+80/-20%	.02	.018	766680	08055A152JAT2A ₹ ♠	NP0	1500pF	50	5%	.055	.053
735509	06035G104ZAT2A ₹ ♠	Y5V	0.1µF	50	+80/-20%	.046	.044	735795	08053A222JAT2A ₹ ♠	NP0	2200pF	25	5%	.041	.04
766372	0603ZG105ZAT2A@1 ₹ ♠	Y5V	1μF	10	+80/-20%	.129	.119	735808	08053A272JAT2A ₹ ♠		2700pF		5%	.041	.04

♦ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





Surface Mount Ceramic Capacitors

Surface Mount Ceramic Capacitors (Continued)

NEW

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Prepackaged: please order in increments of 5

Size 1206 Multilayer Ceramic Chips

Prepackaged: please order in increments of 5

Size 0805 Multilayer Ceramic Chips (Cont'd)				nt'd)		increments of 5	Size 12	Size 1206 Multilayer Ceramic Chips					in increments of 5		
		Temp.		Voltage		Pric	ing			Temp.		Voltage		Pric	ing
Part No.	Product No.	Coeff.	•	(V)	Tolerance	5	50	Part No.	Product No.	Coeff.	-	(V)	Tolerance	5	50
736430	0805ZD475KAT2A ◆	X5R	: ':	10	10%	\$.15	\$.13	740121	12061A100KAT2A ₹ ♠	NP0			10%	\$.054	\$.052
736368	08056D106MAT2A ♣	X5R		6.3	20% 10%	.43	.41	740130 766938	12061A150JAT2A ₹ ♠	NP0 NP0			5% 5%	.054 .054	.052 .052
736131 766794	08055C101KAT2A ? ♠ 08055C101MAT2A ? ♠	X7R X7R			20%	.037 .034	.035	740367	12061A180JAT2A ₹ ♠ 12065A220JAT2A ₹ ♠	NP0			5%	.054	.052
736229	08055C221KAT2A ₹ ♠	X7R	. ' .	50	10%	.034	.033	740367	12061A270JAT2A ₹ ♣	NP0	1 ' 1		5%	.054	.052
736261	08055C271KAT2A ₹ ♠	X7R		50	10%	.038	.037	740404	12065A330JAT2A ₹ ♠	NP0			5%	.054	.052
736296	08055C471JAT2A ₹ ♠	X7R		50	5%	.052	.051	740181	12061A390JAT2A ₹ ♠	NP0	39pF		5%	.054	.052
736309	08055C471KAT2A ₹ ♠	X7R		50	10%	.021	.02	740201	12061A680JAT2A ♠	NP0	68pF	100	5%	.053	.051
766591	08051C471KAT2A 🕿 ♠	X7R	470pF	100	10%	.037	.035	740332	12065A101JAT2A ₹ ♠	NP0	100pF	50	5%	.059	.057
736333	08055C681KAT2A ₹ ♠	X7R	680pF	50	10%	.038	.037	740341	12065A151JAT2A ♠	NP0	150pF	50	5%	.082	.081
766874	0805YC102KAT2A ₹ ♠		1000pF	16	10%	.021	.02	740148	12061A151JAT2A ₹ ♠	NP0			5%	.053	.051
736149	08055C102JAT2A ₹ ♠		1000pF	50	5%	.051	.049	740375	12065A221JAT2A ₹ ♠	NP0			5%	.053	.051
766807	08055C102KAT4A ₹ ♠		1000pF	50	10%	.021	.016	740156	12061A221JAT2A ₹♠	NP0		•	5%	.053	.051
736157 735744	08055C102MAT2A ₹ ♠		1000pF		20% 10%	.021	.02	740172 740421	12061A271JAT2A ₹ ♠ 12065A471JAT2A ♠	NP0 NP0			5% 5%	.053 .075	.051 .073
766575	08051C102KAT2A ₹ ♠ 08051C152KAT2A ₹ ♠		1000pF 1500pF		10%	.037	.035	740421	12061A471JAT2A ₹ ♠	NP0			5%	.075	.073
736237	08055C222JAT2A ♠		2200pF		5%	.052	.051	740177	12061A4713A12A ♣		820pF		5%	.075	.073
736245	08055C222KAT2A ₹ ♠		2200pi	50	10%	.027	.025	766920	12061A152KAT2A ₹ ♠		1500pF		10%	.05	.049
766823	08055C222MAT2A ₹ ♠		2200pF	50	20%	.034	.033	740359	12065A182JAT2A ₹ ♠		1800pF		5%	.081	.079
735761	08051C222JAT2A ₹ ♠		2200pF		5%	.024	.023	740383	12065A222KAT2A ₹ ♠		2200pF		10%	.05	.049
735787	08052C222KAT2A 🕿 🛧	X7R	2200pF	200	10%	.062	.061	766946	12061A222KAT2A ₹ ♠	NP0	2200pF	100	10%	.06	.059
736270	08055C332KAT2A 🕿 ♠		3300pF		10%	.037	.035	740391	12065A272JAT2A ₹ ♠		2700pF		5%	.12	.11
766840	08055C392KAT2A ₹ ♠		3900pF		10%	.021	.02	740412	12065A332JAT2A ₹ ♠		3300pF		5%	.085	.083
736317	08055C472JAT2A ₹ ♠		4700pF		5%	.052	.051	740631	12066D106KAT2A ♠	X5R			10%	.21	.19
735779	08051C472KAT2A ₹ ♠		4700pF		10%	.037	.035	740640	12066D226MAT2A ♠	X5R			20%	.26	.24
736341	08055C682KAT2A ♣		6800pF		10%	.021	.02	766997	1206GC471KAT1A ♠		470pF		10%	.24	.22
766882 766612	0805YC103KAT2A ₹ ♠ 08053C103JAT2A ♠	X7R X7R	' '	16 25	10% 5%	.027 .024	.025 .023	740439 740228	12065C102KAT2A ₹ ♠ 12061C102JAT2A ₹ ♠		1000pF 1000pF		10% 5%	.11 .049	.097 .047
735816	08053C103JAT2A ♣	X7R	. '.	25	10%	.024	.025	740228	12061C1025A12A ₹ €		1000pF		10%	.049	.069
736165	08055C103JAT2A ♠	X7R	: ':	50	5%	.027	.023	740501	12065C222KAT2A ₹ ♣		2200pF		10%	.10	.09
736173	08055C103KAT4A ₹ ♠	X7R			10%	.017	.015	740252	12061C332KAT2A ₹ ♠		3300pF		10%	.044	.043
736181	08055C103MAT2A ₹ ♠	X7R			20%	.033	.031	740535	12065C472KAT2A ₹ ♠		4700pF		10%	.10	.09
735752	08051C103JAT2A ₹ ♠	X7R			5%	.025	.023	740578	12065C682JAT2A ₹ ♠	X7R	6800pF	50	5%	.055	.054
766559	08051C103MAT2A ₹ ♠	X7R	.01µF	100	20%	.034	.033	740447	12065C103JAT2A ₹ ♠	X7R		50	5%	.049	.048
766815	08055C153KAT2A ₹ ♠	X7R		50	10%	.024	.023	740455	12065C103KAT2A ₹ ♠	X7R			10%	.10	.09
736384	0805YC223KAT2A ♠	X7R		16	10%	.038	.037	740236	12061C103JAT2A ₹ ♠	X7R			5%	.049	.047
736253	08055C223JAT2A ₹ ♠		.022µF	50	5%	.058	.055	740279	12062C103KAT2A ₹ ♠	X7R			10%	.071	.069
766831	08055C223KAT4A ♠		.022µF I	50	10%	.031	.029	740244	12061C153KAT2A ♠		.015µF		10%	.053	.052
736288	08055C333JAT2A ₹ ♠		i .033µF i	50	5%	.058	.057	740519	12065C223KAT2A ₹ ♠ 12062C223KAT2A ₹ ♠		.022μF .022μF		10% 10%	.051 .075	.049 .074
766583 736325	08051C333KAT2A ₹ ♠ 08055C473JAT2A ₹ ♠		.033µF .047µF	100 50	10% 5%	.058 .058	.057 .057	740287 740527	12065C333KAT2A ₹ ♣		.022μF .033μF		10%	.038	.036
766604	08051C473KAT2A ₹ ♠		.047μF	100	10%	.058	.057	740543	12065C473JAT2A ₹ ♠		.033μι .047μF		5%	.049	.048
736376	0805YC104KAT2A ₹ ♠	X7R		16	10%	.036	.035	740551	12065C473KAT2A ₹ ♠		.047µF		10%	.044	.042
766891	0805YC104MAT2A ₹ ♠	X7R			20%	.036	.035	766989	12065C473MAT2A ₹ ♠		.047µF		20%	.044	.042
735824	08053C104JAT2A ₹ ♠				5%	.058	.056	740586	12065C683KAT2A ₹ ♠		.068µF		10%	.044	.042
735832	08053C104KAT2A ₹ ♠	X7R			10%	.036	.034	740295	12063C104KAT2A ₹ ♠	X7R	.1µF	25	10%	.054	.052
735841	08053C104MAT2A 🕿 🍨	X7R		25	20%	.036	.034	740463	12065C104JAT2A ₹ ♠	X7R			5%	.057	.055
736190	08055C104JAT2A ₹ ♠	X7R			5%	.12	.11	740471	12065C104KAT4A ₹ ♠	X7R			10%	.053	.051
736202	08055C104KAT4A ₹ ♠	X7R			10%	.036	.034	740480	12065C104MAT2A ₹ ♠	X7R			20%	.12	.11
736211	08055C104MAT2A ₹ ♠	X7R	. ' .		20%	.089	.079	766954	12061C104MAT2A ₹ ♠	X7R			20%	.062	.061
766567	08051C104KAT2A ₹ ♠	X7R			10%	.10	.092	766962	12065C154KAT2A ₹ ♠	X7R			10%	.09	.08
766621	08053C184KAT2A ₹ ♠	X7R		25 25	10%	.057	.056	740308 740316	12063C224KAT2A ₹ ♠ 12063C334KAT2A ♠	X7R X7R		•	10% 10%	.089 .179	.087 .175
766639 736392	08053C224MAT2A ₹ ♠ 0805YC474JAT2A ₹ ♠	X7R X7R		25 16	20% 5%	.045 .148	.044 .146	766971	12065C334MAT2A ₹ ♠	X7R			20%	.09	.08
736421	08057C474JATZA ₹ €	X7R			10%	.208	.207	740682	1206YC474KAT2A ₹ ♣	X7R			10%	.09	.16
736413	0805ZC105MAT2A ♠	X7R			20%	.208	.207	740560	12065C474KAT2A ₹ ♣	X7R			10%	.105	.103
766647	08053G104ZAT2A ₹ ♠	Y5V			+80/-20%	.046	.044	740691	1206YC684KAT2A ₹ ♠	X7R			10%	.12	.11
766866	08055G104ZAT2A ₹ ♠	Y5V			+80/-20%	.024	.022	740658	1206YC105KAT2A ♠	X7R			10%	.12	.11
766903	0805YG105ZAT2A/2K REELS ♠	Y5V		16	+80/-20%	.088	.084	740666	1206YC105KAT2A/3K REEL ₹ ♠				10%	.12	.11
735859	08053G105ZAT2A ♠	Y5V		25	+80/-20%	.075	.072	740674	1206YC105MAT2A ♠	X7R	1μF	16	20%	.145	.143
766911	0805ZG225ZAT2A ♠	Y5V	. ' .		+80/-20%	.15	.13	740720	1206ZC225KAT2A ♠	X7R			10%	.18	.16
736405	0805YG225ZAT2A ♠	Y5V			+80/-20%	.15	.14	740703	1206YG105ZAT2A ₹ ♠	Y5V			+80/-20%	.118	.112
736448	0805ZG475ZAT2A ♣	Y5V	4.7µF	10	+80/-20%	.15	.14	740324	12063G105ZAT2A ♠	Y5V			+80/-20%	.14	.12
766858	08055E103MAT2A ₹ ♠	Z5U		50	20%	.036	.034	740711	1206YG225ZAT2A ♠	Y5V			+80/-20%	.14	.12
736350	08055E104MAT2A ₹ ♠	Z5U	.1µF	50	20%	.036	.034	740738	1206ZG106ZAT2A ♠	Y5V	10μF	10	+80/-20%	.16	.14

[🕏] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

* Prepackaged: please order

in increments of 5



Part No

740594

740607

740615



Surface Mount Ceramic Capacitors (Continued)

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Size 1206 Multilayer Ceramic Chips (Continued)

* Prepackaged: please order in increments of 5

		Temp.		Voltage		Pricing		
	Product No.	Coeff.	Value	(V)	Tolerance	1	5	50
	12065E104MAT2A ₹ ♠	Z5U	.1μF	50	20%	*	\$.024	\$.022
	12065E104ZAT2A ₹ ♠	Z5U	.1µF	50	+80/-20%	*	.04	.038
	12065E224MAT2A ₹ ♠	Z5U	.22µF	50	20%	*	.062	.06
	12065E334MAT2A ₹ ♠	Z5U	.33µF	50	20%	*	.067	.065
ı								

740623	12065E334MAT2A ₹ ♠	Z5U	.33µF	50	20%	*	.067	.065
Size 12	10 Multilayer Cer	amic	Chip	s *P	repackaged:	please orde	er in incren	nents of 5

JIZC 1Z	*Trepackaged. Picase order in increments of 5											
740818	12107C103KAT2A ₹ ♠	X7R	.01μF	500	10%	\$1.19	\$1.05	\$.99				
740771	12101C224KAT2A ₹ ♠	X7R	.22µF	100	10%	*	.124	.119				
740789	12101C474KAT2A ₹ ♠	X7R	.47µF	100	10%	*	.163	.159				
740797	12105C105KAT2A ♠	X7R	1μF	50	10%	*	.46	.44				
740826	1210YC475KAT2A ♠	X7R	4.7µF	16	10%	*	.45	.43				
740834	1210YG106ZAT2A ♠	Y5V	10μF	16	+80/-20%	.79	.75	.71				
740842	1210ZG226ZAT2A ♠	Y5V	2 2μF	10	+80/-20%	.95	.89	.85				
740800	12105E474MAT2A ₹ ♠	Z5U	.47µF	50	20%	*	.19	.18				

Size 1812 Multilayer Ceramic Chips

		Temp.		Voltage		Pricing		
Part No.	Product No.	Coeff.	Value	(V)	Tolerance	1	5	50
742881	18125A103JAT2A ₹ ♠	NPO	.01µF	50	5%	\$.59	\$.55	\$.49
742830	18121C104KAT2A ₹ ♠	X7R	.1µF	100	10%	*	.355	.35
742899	18125C224KAT2A ₹ ♠	X7R	.22µF	50	10%	*	.195	.19
742901	18125C334KAT2A ₹ ♠	X7R	.33µF	50	10%	*	.285	.28
742910	18125C474KAT2A ₹ ♠	X7R	.47µF	50	10%	*	.30	.29
742856	18121C474KAT2A ₹ ♠	X7R	.47µF	100	10%	.65	.59	.55
742848	18121C105KAT2A ₹ ♠	X7R	1μ F	100	10%	.99	.99	.99
742944	18125E474MAT2A ₹ ♠	Z5U	.47µF	50	20%	*	.44	.43
742928	18125E105MAT2A ₹ ♠	Z5U	1μF	50	20%	*	.46	.45
742936	18125E105ZAT2A ₹ ♠	Z5U	1μF	50	+80/-20%	*	.44	.43

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

- NEW
- radial leaded MLC Temperature coefficients: NPO, X7R, Z5U
- Case material: epoxy

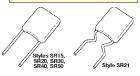
Conformally coated

 Lead material: 24AWG solid copper plated

Radial Ceramic Capacitors

AVX Style SR15 (A) Case SR21 (B) Case SR30 (C) Case SR40 (D) Case SR50 (E) Case 3.81mm (0.150") 12.70mm (0.500") Width (W) 5.08mm (0.200") 7.62mm (0.300") 10.16mm (0.400") 3.81mm (0.150") 5.08mm (0.200") 7.62mm (0.300") 10.16mm (0.400") 12.70mm (0.500") Height (H) Thickness (T) 2.54mm (0.100") 3.175mm (0.125") 3.81mm (0.150") 3.81mm (0.150") 5.08mm (0.200") Lead spacing (L.S.) 2.54mm (0.100") 5.08mm (0.200") 5.08mm (0.200") 5.08mm (0.200") 10.16mm (0.400") Lead diameter (L.D.) 0.508mm (0.020") 0.508mm (0.020") 0.508mm (0.020") 0.508mm (0.020") 0.635mm (0.025")

For more AVX Ceramic Capacitors visit www.Jameco.com



NPO Leaded Case

* Prepackaged: please order in increments of 5

X7R Leaded Case (Continued)

* Prepackaged: please order in increments of 5

4.25

1.45 1.41

4.29

3.99 3.87 50

\$.095

211

083

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Part No.	Product No.	Temp. Coeff.	Value Volt.	Tolerance	Case	1	5	50	Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	5
767754	SR211A1R0DAA ♠	NPO	1pF 100	.5pF	В	*	\$.167	\$.163	767471	SR151C102MAA ♠	X7R	1000pF	100	20%	Α	*	\$.098
767439	SR151A5R0CAA ♠	NPO	5pF 100	.25pF	A	*	.47	.45	767527	SR152C102KAA ♠	X7R	1000pF	200	10%	Α	*	.215
767535	SR155A100JAA ♠	NPO	10pF 50	5%	A	*	.138	.133	767818	SR211C102KAA ♠	X7R	1000pF	100	10%	2	*	.087
849194	SR151A100JAA ♠	NPO	10pF 100	5%	Α	*	.135	.131	767551	SR155C222KAA ♠	X7R	2200pF	50	10%	Α	*	.108
767324	SR151A180JAA ♠	NPO	18pF 100	5%	A	*	.135	.131	767480	SR151C332KAA ♠	X7R	3300pF	100	10%	Α	*	.108
767341	SR151A220JAA ♠	NPO	22pF 100	5%	A	*	.135	.131	767842	SR211C472KAA ♠	X7R	4700pF	100	10%	В	*	.192
767359	SR151A220JAR ₹ ♠	NPO	22pF 100	5%	A	*	.135	.131	849362	SR155C103KAA ♠	X7R	.01µF	50	10%	Α	*	.108
849274	SR151A220KAA ♠	NPO	22pF 100	10%	A	*	.115	.112	767543	SR155C103KAR ₹ ♠	X7R	.01µF	50	10%	Α	*	.071
767447	SR151A680JAA ♠	NPO	68pF 100	5%	A	*	.135	.131	849830	SR215C103KAA ♠	X7R	.01µF	50	10%	В	*	.099
767455	SR151A680KAA ♠	NPO	68pF 100	10%	Α	*	.15	.144	767826	SR211C103KAR ₹♠	X7R	.01µF	100	10%	В	*	.116
767800	SR211A680JAA ♠	NPO	68pF 100	5%	В	*	.191	.189	768028	SR217C103MAA ♠	X7R	.01µF	500	20%	В	*	.305
849215	SR151A101JAA ♠	NPO	100pF 100	5%	A	*	.085	.082	767560	SR155C223KAA ♠	X7R	.022µF	50	10%	Α	*	.108
849240	SR151A101KAA ♠	NPO	100pF 100	10%	A	*	.15	.146	767623	SR201C223KAA ♠	X7R	.022µF	100	10%	В	*	.15
767746	SR211A101JAA ♠	NPO	100pF 100	5%	В	*	.193	.189	767631	SR201C333KAA ♠	X7R	.033µF	100	10%	В	*	.15
767332	SR151A181JAA ♠	NPO	180pF 100	5%	A	*	.15	.147	767674	SR205C473KAA ♠	X7R	.047µF	50	10%	В	*	.163
849303	SR151A221JAA ♠	NPO	220pF 100	5%	Α	*	.15	.147	849522	SR205C104KAA ♠	X7R	.1µF	50	10%	В	*	.126
767367	SR151A221KAA ♠	NPO	220pF 100	10%	A	*	.118	.115	767658	SR205C104KAR ₹♠	X7R	.1μF	50	10%	В	*	.173
767771	SR211A221JAA ♠	NPO	220pF 100	5%	В	*	.193	.189	767666	SR205C104KAT ♠	X7R	.1µF	50	10%	В	*	.079
767797	SR211A391JAA ♠	NPO	390pF 100	5%	В	*	.193	.189	767893	SR215C104KAR ₹♠	X7R	.1μF	50	10%	В	*	.146
767412	SR151A471JAA ♠	NPO	470pF 100	5%	A	*	.17	.167	767906	SR215C104KAT ♠	X7R	.1μF	50	10%	В	*	.136
767421	SR151A561JAA ♠	NPO	560pF 100	5%	A	*	.193	.189	767914	SR215C104MAA ♠	X7R	1μΕ	50	20%	В	*	.15
767885	SR215A102KAA ♠	NPO	1000pF 50	10%	В	*	.173	.171	767922	SR215C104MAR ₹ ♠	X7R	.1µF	50	20%	В	*	.225
849451	SR201A102JAA ♠	NPO	1000pF 100	5%	В	*	.184	.146	849477	SR201C104KAA ♠	X7R	.1µF	100	10%	В	*	.104
767607	SR201A102JAR ₹ ♠	NPO	1000pF 100	5%	В	*	.109	.106	767615	SR201C104KAR ₹ ♠	X7R	.1µF	100	10%	В	*	.174
849661	SR211A102JAA ♠	NPO	1000pF 100	5%	В	*	.165	.136	767834	SR211C104KAR ₹ ♠	X7R	.1µF	100	10%	В	*	.155
767789	SR211A272JAA ♠	NPO	2700pF 100	5%	В	*	.425	.419	767931	SR215C154KAA ♠	X7R	.15µF	50	10%	В	*	.305
768124	SR305A103JAA ♠	NPO	.01µF	5%	C	.87	.76	.72	849899	SR215C224KAA ♠	X7R	.22µF	50	10%	В	*	.29
768132	SR305A103JAR ₹ ♠	NPO	.01µF 50	5%	С	.77	.71	.65	767949	SR215C224KAR ≈ ♠	X7R	.22µF	50	10%	В	*	.195
768061	SR301A103JAA ♠	NPO	.01µF 100	5%	C	*	.44	.43	768095	SR301C224KAA ♠	X7R	.22µF	100	10%	С	.65	.63
768079	SR301A103JAR ₹ ♠	NPO	.01µF 100	5%	C	.77	.71	.65	768167	SR305C334KAA ♠	X7R	.33µF	50	10%	С	.62	.62
768087	SR301A153JAA ♠	NPO	.015µF 100	5%	С	.86	.84	.84	768175	SR305C474KAR ₹ ♠	X7R	.47µF	50	10%	С	.95	.73
768212	SR405A473JAA ♠	NPO	.047µF 50	5%	D	1.95	1.91	1.89	850072	SR305C105KAA ♠	X7R	1μF	50	10%	С	.69	.65
768221	SR405A683KAA ♠	NPO	.068µF 50	10%	D	1.95	1.91	1.89	768141	SR305C105KAR ₹ ♠	X7R	1μΕ	50	10%	С	.61	.59
								-	768159	SR305C105MAA ♠	X7R	1μΕ	50	20%	С	1.09	1.07
X7R Le	aded Case		* P	repackage	d: pleas	se order i	n increm	ents of 10	850110	SR401C105KAA ♠	X7R	! 1µF!	100	10%	D	1.45	1.41

//// LO	aaca casc			* Trepackaged. piedace order in increments or to						
Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100	
767498	SR151C471KAA ♠	X7R	470pF	100	10%	Α	*	\$.141	\$.136	
767463	SR151C102KAR ₹ ♠	X7R	1000pF	100	10%	Α	*	.064	.062	

768239 SR405C225KAA ♠

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



768204

768255

SR401C105KAR ₹♠

SR505C105KAA 4

X7R

X7R

X7R

1μF ¦ 100

1μΕ! 50

2.2µF 50 10%

10% D

10%

F

Tantalum & Multilayer Ceramic Chip Capacitors

Resin Molded Chip Tantalum Electrolytic Capacitors (± 10%)

EXCLUSIVE

Case Size (Dimensions in mm)

, ,											
EIA	L	W	Н	Р	a						
Case Code	±0.2	±0.2	±0.2	±0.3	±0.2	h(min)					
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7					
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7					
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0					
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0					
E (7343-43)	7.3	4.3	4.1	1.3	2.4	1.0					

JAMECO:	(6.3	SV SIV	1T	Pricing per each*						
Value Pro				Case							
Part No.	(Capa	citance	Size	10	100	500	1000			
597311	1	2	10μF	Α	\$.38	\$.307	\$.292	\$.278			
545027		2	10μF	Α	.275	.243	.194	.119			

JAMECO"	10V SN	IT		Pricing	er each*	
ValuePro		Case				
Part No.	Capacitance	Size	10	100	500	1000
545078	≈ 4.7µF	Α	\$.134	\$.129	\$.122	\$.092
597329	≈ 4.7µF	Α	.38	.307	.292	.278
545086	≈ 6.8µF	Α	.266	.232	.219	.182
597302	≈ 10µF	Α	.323	.288	.255	.213
545035	≈ 10µF	Α	.172	.153	.138	.103
545115	≈ 15µF	Α	.326	.307	.30	.274
545203	≈ 47µF	В	.444	.408	.367	.365
545297	≈ 100µF	С	.73	.64	.55	.538
545422	≈ 100µF	D	2.14	1.93	1.15	1.12
545473	≈ 150µF	D	1.89	1.70	1.03	1.00
597441	≈ 220µF	D	4.05	3.39	2.72	2.59
545369	≈ 220µF	D	1.84	1.63	.87	.85

a E	w a	
JAMECO'	1/\/ CN/IT	Driging per each*

JAMECO'	16	SV SM	Т		Pricing	er each*	
Value Pro			Case				
Part No.	Cap	acitance	Size	10	100	500	1000
544981	2	1μF	Α	\$.19	\$.169	\$.154	\$.147
545043	2	2.2µF	Α	.247	.216	.185	.154
545051	2	$3.3 \mu F$	Α	.134	.129	.122	.092
545174	2	4.7µF	В	.272	.242	.221	.213
597337	2	10μF	В	.56	.504	.405	.365
545140	2	10μF	В	.168	.161	.152	.145
545211	2	10μF	С	.326	.289	.138	.136
597345	2	22µF	В	.475	.384	.365	.347
545166	2	22µF	В	.208	.207	.206	.205
545300	2	22µF	С	.60	.532	.461	.415
597353	2	47µF	С	.99	.94	.75	.73
545271	2	47µF	С	.60	.513	.295	.287
597417	2	47µF	D	1.52	1.43	.88	.86
545393	2	47µF	D	.57	.502	.29	.258
597425	2	100µF	Ε	3.91	3.03	2.44	2.32
545449	2	100μF	D	1.64	1.54	1.24	1.20
		'					

JAMECO	50V SM	Т	Pricing per each*				
Value Pro		Case					
Part No.	Capacitance	Size	10	100	500	1000	
544972	≈ 0.1µF	Α	\$.516	\$.456	\$.365	\$.304	
545414	₹ 6.8uF	D	1.80	1.63	1.55	1.51	

20V SMT Pricing per each* Part No 1000 Capacitance Size 10 100 500 **≈** 0.1µF \$.237 \$.208 \$.194 \$.173 544999 545060 **≈** 3.3µF .285 .248 .231 .14 **≈** 10µF .316 .28 .141 597409 **≈** 33µF D 1.52 1.43 .88 .86 545377 **≈** 33µF D .516 .456 332 299 1.88 545553 **≈** 68µF 3.21 4.66

JAMECO"	25V SMT			Pricing per each*				
ValuePro:			Case					
Part No.	Capa	acitance	Size	10	100	500	1000	
545001	R	1µF	Α	\$.247	\$.216	\$.203	\$.186	
545289	2	10μF	С	.60	.532	.316	.284	
597396	R	22µF	D	1.52	1.43	.88	.86	
545342	2	22µF	D	.57	.502	.26	.258	
545406	2	47µF	D	2.37	2.07	1.15	1.12	
545545	R	33µF	D	3.35	2.41	1.94	1.85	

JAMECO'	35	V SM	Т		Pricing	oer each*	
Value Pro			Case				
Part No.	Cap	acitance	Size	10	100	500	1000
544964	R	0.1µF	Α	\$.314	\$.302	\$.288	\$.216
597290	2	1μF	Α	.344	.304	.243	.20
545131	2	1μF	В	.272	.242	.221	.203
545158	2	2.2µF	В	.405	.39	.382	.374
545254	2	2.2µF	С	.378	.334	.202	.182
545262	2	3.3µF	С	.313	.284	.266	.20
545385	R	4.7µF	D	.541	.491	.472	.449
545238	2	10μF	С	.469	.422	.38	.342
545326	R	10μF	D	.60	.532	.30	.298
597388	2	15µF	D	1.52	1.43	.88	.86
545334	2	15µF	D	.66	.60	.33	.328
597433	2	22µF	D	3.95	3.12	2.51	2.39
545351	2	22µF	D	1.32	1.17	.56	.545

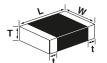
^{207 \$.175 \$.116 \$.108 *} Prepackaged: please order in quantity increments shown

Resin Molded Chip Tantalum Electrolytic Capacitors (±20%)

· Case sizes and photos are same as above

10	OV SMT		Pricing	icing per each*					
		Case							
Part No.	Capacitance	Size	10	100	500	1000			
Other Manufacturers — Great Deals									
87020	⊕ 10µF	В	\$.203	\$.15	\$.136	\$.102			
87118	⊕ 100μF	D	.80	.76	.73	.69			

JAMECO"	16	V SM1			Pricing per each*				
ValuePro Part No.	Cap	acitance	Case Size	10	100	500	1000		
545246	2	10μF	С	\$.275	\$.243	\$.138	\$.136		
Other Manufacturers — Great Deals									
87038	(3)	10uF	С	\$.207	\$.175	\$.116	\$.108		





Multilayer Ceramic Chip Capacitors

X7R Series (±10%)

<u>JAMECO</u>	04	402 SIV	IT		Pricing pe	r each*			
Value Pro									
Part No.	С	apacitance	Volt.	10	100	500	1000		
543751	7	560pF	50	\$.078	\$.064	\$.061	\$.058		
543734	F	1000pF	50	.087	.051	.03	.021		
543769	Z	.01µF	50	.088	.059	.048	.033		
Other Manufacturers — Great Deals									
646485		330pF	50	\$.231	\$.137	\$.079	\$.056		
646493		390pF	50	.077	.046	.026	.018		
646506		470pF	50	.231	.133	.079	.055		
646514		560pF	50	.077	.046	.026	.018		
646522		680pF	50	.077	.046	.026	.018		
646531		820pF	50	.077	.046	.026	.018		
646549		1000pF	50	.077	.046	.026	.018		
646557		1200pF	50	.077	.046	.026	.018		
646565		1500pF	50	.231	.137	.079	.055		
646573		1800pF	50	.231	.137	.079	.055		
646581		2200pF	50	.193	.114	.065	.046		
646590		2700nF	50	231	137	079	055		

0402 SMT (Continued)			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
0	ther Man	ufact	urers –	- Great	Deals	
646602	3300pF	50	\$.077	\$.046	\$.026	\$.018
646611	3900pF	50	.231	.137	.079	.055
646629	4700pF	50	.077	.046	.026	.018
646637	5600pF	50	.154	.091	.053	.036
646645	6800pF	50	.154	.091	.053	.036
646653	8200pF	50	.154	.091	.053	.036
646661	.01µF	16	.077	.046	.026	.018
646670	.012µF	16	.077	.046	.026	.018
646688	.015µF	16	.077	.046	.026	.018
646696	.018µF	16	.077	.046	.026	.018
646709	.022µF	16	.077	.046	.026	.018

J <u>AMECO</u>	0603 SN	1T		Pricing per each*				
Value Pro								
Part No.	Capacitance	Volt.	10	100	500	1000		
544083	2 470pF	16	\$.095	\$.055	\$.04	\$.034		
544041	? 1000pF	50	.074	.047	.024	.017		
543831	2 1000pF	100	.087	.052	.03	.021		
543857	₹ 2200pF	100	.165	.099	.04	.024		
543865	≈ 3300pF	100	.15	.088	.04	.024		
543873	≈ 4700pF	25	.126	.099	.057	.04		
544059	≈ .01µF	50	.079	.047	.024	.017		
543849	≈ .01µF	100	.279	.184	.123	.086		
544067	≈ .015µF	50	.087	.045	.03	.021		
544075	≈ .022µF	50	.087	.046	.037	.021		
543881	≈ .047µF	25	.091	.06	.054	.042		
544091	≈ .1µF	16	.079	.047	.024	.017		

W

SMT Case Dimensions (mm)

0603

0.81

0.35

0402

0.5

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1

^{*} Prepackaged: please order in quantity increments shown

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Pricing per each

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649678

Part No.

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544201

544227

544382

87313

544198

544331

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544366

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544462

87371

544340

544438

544243

544358

544446

544454

544471

650257

650265

650273

650281

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650302

650311

650329

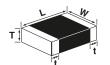
650337

650345

650353

650361

650370



0603 SMT

Capacitance

1000pF

1200pF

1500pF 50

1800pF 50

2200pF 50

2700pF 50

3300pF 50

3900pF 50

4700pF 50

5600pF 50

6800pF

8200pF 50

.01µF

.012µF

.015µF

.018µF 50

.022µF 50

.027µF 50

.033µF

0805 SMT

₹ 1000pF

2200pF

₹ 3300pF

₹ 4700pF

2 .01µF 50

2

2 .033µF 50

2

2 .1µF 50

2 .22µF 16

2

Capacitance Volt

₹ 1000pF 200

.01µF 100

.01µF 50

.022µF 100

.039µF 50

.047µF

.068µF 50

.1µF **④**

.1uF 25

.22µF 50

.33µF

.47µF 16

3300pF

3900pF 50

4700pF 50

5600pF 50

6800pF 50

8200pF 50

.012µF 50

.015µF 50

.018µF 50

.022uF

.027µF 50

.033µF

.039µF 50

50

50

1μΕ 10

Other Manufacturers -

50

100

50

16

25 .22µF

50

50

Other Manufacturers -

\$.062

.077

.077

.077

.077

.154

.063

.131

.077

.112

.077

062

.077

.077

.077

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.077

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10

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.21

.087

.087

071

.048

.087

.071

.19

.119

.087

.087

.087

.257

.09

.087

.13

.174

.087

.348

.348

.388

\$.077

.07

07

.154

.154

.162

.077

.119

.154

.077

.077

.105

.077



Pricing per each^{*}

Great Deals

\$.021

.026

.026

026

.026

.026

.053

.026

.045

.026

.05

.026

021

.026

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.026

\$.03

.17

.03

.03

03

.017

.03

.03

.072

.06

.03

.03

.15

.05

.03

.045

.06

.03

.12

.12

.304

.053

026

.053

.053

.055

.026

.053

.053

.026

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.026

\$.036

.046

.046

046

.046

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.091

.046

.077

.046

.087

.046

036

.046

.046

.046

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.046

.046

\$.051

.20

.051

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051

.029

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.051

.125

.104

.051

.051

.051

.24

.06

.051

.077

.104

.051

.208

.208

.376

\$.046

.056

046

.091

.091

.096

.046

.091

.091

.046

.046

.091

.046

Great Deals

Pricing per each^{*}

Multilayer Ceramic Chip Capacitors

X7R Series (±10%)

			•							
0	805 SMT		Pricing per each*							
Part No.	Capacitance	Volt.	10	100	500	1000				
Other Manufacturers — Great Deals										
650388	.047µF	50	\$.077	\$.046	\$.026	\$.018				
650396	.056µF	50	.077	.046	.026	.018				
650409	.068µF	50	.077	.046	.026	.018				
650417	.082µF	50	.077	.046	.026	.018				
87370	.1µF	25	.048	.033	.022	.016				
650425	.1µF	50	.077	.046	.026	.018				
650441	.22µF	16	.116	.068	.039	.027				
650450	.33µF	16	.182	.105	.073	.066				
650468	.47µF	16	.182	.105	.073	.066				
650476	1μF	10	.329	.263	.182	.164				
JAMECO 1206 SIMT				Pricing pe	er each*					

JAMECO"	12	06 SN	1T		Pricing per each*			
Value Pro								
Part No.	Ca	pacitance	Volt.	10	100	500	1000	
544585	2	1000pF	100	\$.158	\$.144	\$.087	\$.037	
544614	2	2000pF	100	.158	.144	.087	.035	
544649	2	4700pF	100	.158	.144	.087	.035	
544593	2	.01µF	100	.10	.085	.067	.05	
544622	2	.022µF	100	.158	.144	.09	.031	
544631	2	.033µF	100	.158	.144	.12	.035	
544657	2	.047µF	100	.158	.144	.12	.035	
544702	2	.1µF	50	.113	.097	.06	.042	
87390	2	.1µF	50	.084	.055	.038	.037	
544606	2	.1µF	100	.209	.182	.105	.073	
544711	2	.22µF	50	.261	.156	.09	.062	
544729	2	.33µF	50	.352	.312	.182	.087	
544673	2	.47µF	25	.435	.26	.15	.105	
544665	2	1µF	25	.348	.208	.12	.084	

0	ther Man	ufact	turers –	– Great	Deals	
651137	1000pF	50	\$.14	\$.125	\$.072	\$.05
651145	1200pF	50	.212	.125	.072	.05
651153	1500pF	50	.212	.125	.072	.05
651161	1800pF	50	.212	.125	.072	.05
651170	2200pF	50	.154	.125	.072	.05
651188	3300pF	50	.14	.125	.072	.05
651196	3900pF	50	.212	.125	.072	.05
651209	4700pF	50	.14	.13	.092	.064
651217	5600pF	50	.212	.125	.072	.05
651225	6800pF	50	.126	.105	.072	.05
651233	8200pF	50	.212	.125	.072	.05
87329	⊕ .01µF	50	.081	.054	.034	.024
651241	.012µF	50	.223	.132	.076	.053
651250	.015µF	50	.223	.132	.076	.053
651268	.018µF	50	.223	.132	.076	.053
651276	.022µF	50	.161	.132	.076	.053
651284	.027µF	50	.161	.132	.076	.053
651292	.033µF	50	.14	.126	.076	.053
651305	.039µF	50	.223	.132	.076	.053
651313	.047µF	50	.14	.126	.076	.053
651321	.056µF	50	.246	.146	.084	.058
651330	.068µF	50	.246	.146	.084	.058
651348	.082µF	50	.246	.146	.084	.058
87388	.1µF	50	.049	.029	.019	.016
651356	.12µF	50	.231	.137	.079	.055
651364	.15µF	50	.231	.137	.079	.055
651372	.18µF	50	.231	.137	.079	.055
651381	.22µF	50	.231	.137	.079	.055
651399	.27µF	50	.182	.105	.073	.066
651401	.33µF	50	.306	.281	.164	.114
651410	.47µF	50	.228	.131	.091	.082
651436	1µF	16	.399	.26	.18	.162
651428	1µF	25	.182	.105	.073	.066

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

1210 SMT

Value Pro										
Part No.	Capa	acitance	Volt.	10	100	500	1000			
544770	2	.1μF	50	\$.238	\$.224	\$.194	\$.13			
544761	2	.1μF	100	.238	.224	.15	.104			
544788	2	.22µF	50	.323	.304	.188	.131			
544796	2	.47µF	50	.63	.57	.334	.163			
Other Manufacturers — Great Deals										
651612		.1μF	50	\$.224	\$.196	\$.176	\$.112			
651639		.22µF	50	.27	.16	.11	.10			
651647		.33µF	50	.46	.29	.20	.18			
651655		.47µF	50	.50	.29	.20	.18			
651663		1μF	50	.57	.46	.32	.29			
651671		2.2µF	25	1.34	.93	.534	.481			
651680		4.7µF	16	1.15	.92	.59	.53			
651701		4.7µF	25	1.31	.78	.45	.405			
651698		10μF	10	1.21	.70	.33	.30			

JAMECO"	1812 SMT				Pricing per each*		
Value Pro							
Part No.	Cap	acitance	Volt.	10	100	500	1000
544817	2	1µF	50	\$1.40	\$1.32	\$.77	\$.372

COG Series (±5%)

JAMECO"	0603 SMT			Pricing per each*				
Value Pro								
Part No.	Cap	acitance	Volt.	10	100	500	1000	
543785	2	10pF	100	\$.165	\$.099	\$.057	\$.04	
543806	2	22pF	100	.087	.052	.03	.021	
543814	2	33pF	100	.087	.052	.03	.021	
543793	2	100pF	100	.087	.052	.03	.021	
543988	2	270pF	50	.087	.052	.03	.021	
544008	2	330pF	50	.131	.104	.06	.042	
543822	2	680pF	100	.087	.052	.029	.025	

JAMECO"	080)5 SM	IT	Pricing per each*				
Value Pro								
Part No.	Capa	acitance	Volt.	10	100	500	1000	
544121	2	10pF	100	\$.079	\$.071	\$.06	\$.042	
544155	2	15pF	100	.134	.104	.06	.042	
544286	2	270pF	50	.134	.104	.06	.042	
544294	2	330pF	50	.087	.051	.03	.021	
544307	2	470pF	50	.104	.062	.036	.025	
544315	2	680pF	50	.15	.104	.06	.042	
544260	2	1000pF	50	.169	.154	.15	.146	
544147	2	1000pF	100	.19	.156	.09	.062	
544278	2	2200pF	50	.235	.14	.081	.056	

JAMECO.	1206 SM	Pricing per each*				
Value Pro						
Part No.	Capacitance	Volt.	10	100	500	1000
544551	≉ 330pF	100	\$.19	\$.176	\$.144	\$.122
544681	≈ 1000pF	50	.257	.24	.14	.063
544690	≈ 2200pF	50	.286	.272	.16	.062

NPO Temp Series (±10%)

JAMECO"	0402 SM	Pricing per each*				
Value Pro						
Part No.	Capacitance	Volt.	10	100	500	1000
543726	≈ 100pF	50	\$.198	\$.13	\$.064	\$.052
543742	≈ 220pF	50	.198	.13	.064	.052

^{*} Prepackaged: please order in quantity increments shown

.315

.218

.196

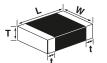
2.2µF



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Surface Mount Ceramic Chip Capacitors



0805 SMT



Pricing per each*

Multilayer Ceramic Chip Capacitors

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

X5R Series (±10%)

JAMECO"	060	03 SM	T		Pricing pe	r each*					
Value Pro											
Part No.	Cap	acitance	Volt.	10	100	500	1000				
544104	2	1μF	10	\$.139	\$.083	\$.041	\$.034				
Other Manufacturers — Great Deals											
649686		.1µF	25	\$.205	\$.159	\$.092	\$.064				
649707		.22µF	16	.267	.182	.105	.073				
649694		.22µF	25	.288	.205	.118	.082				
649715		.33µF	16	.131	.077	.045	.031				
649723		.47µF	16	.131	.077	.045	.031				
649758		1μF	6.3	.35	.273	.158	.109				
649740		1μF	10	.042	.032	.023	.014				
649731		1μF	16	.154	.091	.053	.036				
649766		2.2µF	6.3	.267	.182	.105	.073				
649774		4.7µF	6.3	.45	.364	.146	.125				

Part No.	Capacitance	Volt.	10	100	500	1000				
544489	≈ 2.2µF	10	\$.348	\$.208	\$.122	\$.084				
544420	≉ 4.7µF	6.3	.478	.286	.167	.116				
544411	≈ 10µF	6.3	.211	.186	.177	.168				
Other Manufacturers — Great Deals										
650484	.33µF	25	\$.467	\$.341	\$.197	\$.137				
650492	.47µF	25	.467	.36	.144	.099				
650530	1µF	10	.27	.182	.105	.073				
650513	1µF	16	.193	.114	.066	.046				
650505	1µF	25	.65	.50	.289	.20				
650548	2.2µF	10	.257	.182	.105	.073				
650521	2.2µF	16	.57	.41	.236	.164				
650556	3.3µF	10	.357	.273	.158	.109				
650572	4.7µF	6.3	.25	.14	.10	.09				
650564	4.7µF	10	.357	.296	.171	.118				
650581	10uF	6.3	.46	.26	.18	.16				

JAMECO"	1206 SMT			Pricing per each*							
Value Pro											
Part No.		Capacitance	Volt.	10	100	500	1000				
544753		≉ 4.7µF	10	\$.56	\$.468	\$.273	\$.19				
Other Manufacturers — Great Deals											
651479		2.2µF	16	\$.41	\$.236	\$.164	\$.148				
651452		2.2µF	25	.364	.21	.146	.131				
651508		4.7µF	10	.41	.236	.164	.148				
651487		4.7µF	16	1.10	.84	.486	.437				
651461		4.7µF	25	.455	.263	.182	.164				
651532		10µF	6.3	.84	.59	.341	.237				
651516		10µF	10	.50	.289	.20	.18				
651495		10µF	16	1.48	.87	.50	.475				
651524		22µF	6.3	1.02	.59	.54	.513				
IAMECO 1010 CDAT					Delelee	*					

JAMECO 1210 SMT			Pricing per each*						
Capacitano	e Volt.	10	100	500	1000				
≉ 10µ	F 10	\$1.80	\$1.08	\$.62	\$.432				
Other Manufacturers — Great Deals									
4.7µ	F 16	\$.73	\$.42	\$.29	\$.26				
10μ	F 10	1.62	.97	.56	.504				
10µ	F 16	1.09	.63	.437	.393				
10μ	F 25	1.01	.60	.42	.38				
22µ	F 6.3	3.01	2.53	1.04	.94				
22µ	F 10	2.54	1.52	.88	.80				
22µ	F 16	1.98	1.75	1.17	1.05				
47µ	F 6.3	1.69	1.63	1.55	1.47				
100μ	F 6.3	5.62	3.37	1.95	1.75				
	Capacitanc R 10µ Other Ma 4.7µ 10µ 10µ 22µ 22µ 22µ 47µ	Capacitance Volt. R 10µF 10 Other Wanufact 4.7µF 16 10µF 16 10µF 25 22µF 6.3 22µF 10 22µF 16 47µF 6.3	Capacitance Volt. 10	Capacitance Volt. 10 100	Capacitance Volt. 10 100 500				

X5R Series (±10%) (Continued)

1812 SI	ИT	Pricing per each*							
Part No.	Capacitance	Volt.	10	100	500	1000			
Other Manufacturers — Great Deals									
651831	1µF	50	\$1.26	\$1.19	\$.70	\$.63			
651840	10µF	25	2.42	1.97	1.77	1.58			
651858	22µF	10	2.62	1.97	1.77	1.58			
651866	47µF	6.3	5.94	3.56	3.20	2.88			
651874	100µF	6.3	2.19	2.01	1.81	1.63			

NPO Temp Series (±5%)

0402 SN	/IT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
C	Other Man	ufact	urers –	– Great	Deals	
645984	1pF	50	\$.077	\$.046	\$.026	\$.018
645992	2.2pF	50	.231	.133	.079	.055
646004	3.3pF	50	.231	.133	.079	.055
646012	3.9pF	50	.231	.133	.105	.073
646021	4.7pF	50	.231	.133	.105	.073
646039	5.6pF	50	.231	.133	.079	.055
646047	6.8pF	50	.231	.133	.105	.073
646055	8.2pF	50	.231	.137	.079	.055
646063	10pF	50	.077	.046	.026	.018
646071	15pF	50	.077	.046	.026	.018
646080	18pF	50	.077	.046	.026	.018
646098	22pF	50	.077	.046	.026	.018
646101	27pF	50	.077	.046	.026	.018
646119	33pF	50	.077	.046	.026	.018
646127	39pF	50	.077	.046	.026	.018
646135	47pF	50	.077	.046	.026	.018
646143	56pF	50	.077	.046	.026	.018
646151	68pF	50	.077	.046	.026	.018
646160	82pF	50	.231	.137	.079	.055
646178	100pF	50	.193	.114	.065	.046
646186	120pF	50	.077	.046	.026	.018
646194	150pF	50	.046	.035	.026	.018
646207	180pF	50	.077	.046	.026	.018
646215	220pF	50	.231	.137	.079	.055

	_	- 11					
J <u>AMECO</u>	0	603 SN	1T		Pricing pe	er each*	
Value Pro							
Part No.	(Capacitance	Volt.	10	100	500	1000
543902	:	₹ 10pF	50	\$.074	\$.063	\$.04	\$.024
543911	:	₹ 12pF	50	.131	.055	.044	.031
543937	:	₹ 15pF	50	.074	.059	.03	.021
543953		₹ 18pF	50	.074	.063	.04	.024
543961	:	₹ 22pF	50	.074	.059	.03	.021
543996		₹ 33pF	50	.074	.063	.04	.024
544016		≈ 39pF	50	.074	.063	.04	.034
544024	;	₹ 47pF	50	.087	.051	.03	.021
544032		₹ 82pF	50	.165	.099	.057	.04
543929		₹ 120pF	50	.074	.063	.04	.024
543945	;	₹ 150pF	50	.082	.059	.03	.021
543970	:	≈ 220pF	50	.082	.069	.049	.037
	Otl	her Man	ufact	urers –	– Great	Deals	
646725		1pF	50	\$.14	\$.087	\$.05	\$.035
646733		2.2pF	50	.133	.077	.05	.035
646741		3.3pF	50	.146	.087	.05	.021
646750		3.9pF	50	.146	.087	.05	.035
646768		4.7pF	50	.146	.087	.05	.035
646776		5.6pF	50	.146	.087	.05	.035
646784		6.8pF	50	.146	.087	.05	.035
646792		8.2pF	50	.146	.087	.05	.035
646805		10pF	50	.131	.077	.045	.021

0603 SM	T (Continu	ied)		Pricing pe	er each*	
Part No.		Volt.	10	100	500	1000
0	ther Manu	ufact	urers –	- Great	Deals	
646821	18pF	50	\$.133	\$.077	\$.05	\$.021
646830	22pF	50	.077	.053	.046	.018
646848	27pF	50	.077	.046	.026	.018
646856	33pF	50	.116	.068	.039	.021
646864	39pF	50	.133	.077	.05	.031
646872	47pF	50	.077	.046	.026	.018
646881	56pF	50	.146	.087	.05	.035
646899	68pF	50	.154	.091	.053	.021
646901	82pF	50	.146	.087	.05	.035
646910	100pF	50	.077	.046	.026	.018
646928	120pF	50	.154	.091	.053	.021
646936	150pF	50	.077	.046	.026	.018
646944	180pF	50	.077	.046	.026	.018
646952	220pF	50	.154	.091	.053	.036
646961	270pF	50	.077	.046	.026	.018
646979	330pF	50	.154	.091	.053	.036
646987	390pF	50	.147	.091	.053	.035
646995	470pF	50	.077	.046	.026	.018
647007	560pF	50	.154	.091	.053	.036
647015	680pF	50	.154	.091	.053	.036
647023	820pF	50	.193	.114	.066	.046
647031	1000pF	50	.077	.046	.026	.021
TAMECO:				. *		

JAMECO 0805 SMT				Pricing pe	r each*	
ValuePro						
Part No.	Capacitance	Volt.	10	100	500	1000
544171	≈ 47pF	100	\$.079	\$.072	\$.06	\$.042
544251	≈ 100pF	50	.087	.051	.03	.021
544139	≈ 100pF	100	.079	.071	.06	.042
544163	≈ 220pF	100	.134	.12	.081	.056
544180	≉ 470pF	100	.134	.104	.06	.042
C	Other Man	ufact	urers –	– Great	Deals	
649900	1pF	50	\$.07	\$.056	\$.053	\$.036

						-
0	ther Man	ufact	urers –	- Great	Deals	
649900	1pF	50	\$.07	\$.056	\$.053	\$.036
649918	2.2pF	50	.162	.096	.055	.038
649926	3.3pF	50	.162	.096	.055	.038
649934	3.9pF	50	.162	.096	.055	.038
649942	4.7pF	50	.126	.096	.055	.038
649951	5.6pF	50	.126	.096	.055	.038
649969	6.8pF	50	.126	.096	.055	.038
649977	8.2pF	50	.126	.096	.055	.038
649985	10pF	50	.07	.046	.026	.018
649993	15pF	50	.07	.046	.026	.018
650003	18pF	50	.07	.046	.026	.018
650011	22pF	50	.07	.046	.026	.018
650020	27pF	50	.07	.046	.026	.018
650038	33pF	50	.07	.046	.026	.018
650046	39pF	50	.07	.046	.026	.018
650054	47pF	50	.07	.046	.026	.018
650062	56pF	50	.07	.046	.026	.018
650071	68pF	50	.07	.046	.026	.018
650089	82pF	50	.077	.046	.026	.018
650097	100pF	50	.077	.046	.026	.018
650100	120pF	50	.077	.046	.026	.018
650118	150pF	50	.077	.046	.026	.018
650126	180pF	50	.116	.068	.039	.027
650134	220pF	50	.077	.046	.026	.018
650142	270pF	50	.119	.091	.053	.036
650151	330pF	50	.077	.046	.026	.018
650169	390pF	50	.092	.055	.032	.022
650177	470pF	50	.092	.055	.032	.022
650185	560pF	50	.116	.068	.039	.027

* Prepackaged: please order in quantity increments shown

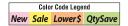
ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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646813

Surface Mount Ceramic Chip & Transient/Surge Absorbers







Multilayer Ceramic Chip Capacitors

SMT Case Dimensions (mm)

					<i>'</i>
	0402	0603	0805	1206	1210
L	1.0	1.6	2.0	3.2	3.2
W	0.5	0.81	1.25	1.6	2.5
T	1.02	1.02	0.065	1.55	1.02
t	0.25	0.35	0.25	0.5	0.5

NPO Temp Series (±5%) (Continued)

0805 SM	MT (Continued) Pricing per each*						
Part No.	Capacitance	Volt.	10	100	500	1000	
Other Manufacturers — Great Deals							
650193	680pF	50	\$.133	\$.091	\$.053	\$.036	
650206	820pF	50	.116	.068	.039	.027	
650214	1000pF	50	.154	.091	.053	.036	
650222	1500pF	50	.208	.123	.071	.049	
650231	2200pF	50	.208	.123	.071	.049	
650249	3300pF	50	.43	.257	.151	.104	

650249	3300pl	50	.43	.257	.151	.104	
JAMECO 1206 SMT				Pricing per each*			
Value Pro							
Part No.	Capacitance	Volt.	10	100	500	1000	
544497	₹ 10pF	100	\$.19	\$.176	\$.144	\$.122	
544526	₹ 15pF	100	.276	.256	.191	.064	
544534	≈ 22pF	100	.19	.176	.144	.122	
544542	≈ 33pF	100	.342	.248	.144	.043	
544569	₹ 47pF	100	.19	.176	.144	.122	
544500	≈ 100pF	100	.19	.176	.144	.122	
544577	≈ 680pF	100	.257	.24	.14	.059	
544518	≈ 1000pF	100	.257	.24	.211	.169	
(Other Man	ufact	urers –	- Great	Deals		

544500	100pr	100	. 19	.1/6	. 144	. 122
544577	≈ 680pF	100	.257	.24	.14	.059
544518	≈ 1000pF	100	.257	.24	.211	.169
0	ther Manu	ufact	urers –	– Great	Deals	
650716	1pF	50	\$.246	\$.146	\$.084	\$.058
650724	2.2pF	50	.246	.146	.084	.058
650732	3.3pF	50	.246	.146	.084	.058
650741	3.9pF	50	.246	.146	.084	.058
650759	4.7pF	50	.246	.146	.084	.05
650767	5.6pF	50	.246	.146	.084	.058
650775	6.8pF	50	.246	.146	.084	.058
650783	8.2pF	50	.147	.126	.084	.058
650791	10pF	50	.175	.154	.10	.069
650804	15pF	50	.189	.168	.10	.069
650812	18pF	50	.297	.178	.104	.072
650821	22pF	50	.175	.153	.088	.061
650839	27pF	50	.297	.178	.104	.072
650847	33pF	50	.175	.154	.10	.069
650855	39pF	50	.189	.168	.10	.069
650863	47pF	50	.175	.154	.10	.069
650871	56pF	50	.245	.178	.104	.056
650880	68pF	50	.189	.168	.10	.069
650898	82pF	50	.297	.178	.104	.072
650901	100pF	50	.175	.154	.10	.069
650919	120pF	50	.259	.173	.10	.069
650927	150pF	50	.259	.214	.123	.086
650935	180pF	50	.245	.18	.126	.069
650943	220pF	50	.175	.154	.123	.086
650951	270pF	50	.364	.218	.126	.088
650960	330pF	50	.175	.154	.123	.086
650978	390pF	50	.364	.218	.126	.088
650986	470pF	50	.238	.21	.122	.085
650994	560pF	50	.364	.218	.126	.088
651006	680pF	50	.259	.212	.122	.085
651014	820pF	50	.364	.218	.126	.088
651022	1000pF	50	.238	.21	.122	.085
651031	1200pF	50	.39	.233	.135	.095
651049	1500pF	50	.39	.223	.135	.095
651057	1800pF	50	.469	.281	.164	.114
651065	2200pF	50	.265	.245	.143	.101
651073	2700pF	50	.098	.084	.079	.07
651081	3300pF	50	.405	.295	.172	.08
651090	3900pF	50	.416	.249	.144	.101
651102	4700pF	50	.416	.295	.172	.12

Y5V Series (+80%, -20

JAMECO"	0603 SN	Pricing per each*				
Value Pro						
Part No.	Capacitance	Volt.	10	100	500	1000
543890	≈ 0.1µF	25	\$.087	\$.052	\$.03	\$.021
544112	₽ 1µF	10	.087	.051	.03	.021

0805 SM	IT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
0	ther Manu	facti	urers —	- Great	Deals	
650599	0.01µF	50	\$.077	\$.046	\$.026	\$.018
650601	0.022µF	50	.077	.046	.026	.018
650610	0.047µF	50	.077	.046	.026	.018
650644	0.10µF	25	.077	.046	.026	.018
650628	0.10µF	50	.077	.046	.026	.018
650652	0.22µF	25	.116	.068	.039	.027
650636	0.22µF	50	.116	.068	.039	.027
650661	0.47µF	25	.154	.091	.053	.036
650687	1μF	16	.238	.21	.131	.091
650679	1µF	25	.231	.137	.079	.055
650695	2.2µF	16	.501	.296	.171	.118
650708	4.7µF	10	.65	.387	.223	.155

JAMECO"	120	6 SIV	IT	I	Pricing per each*			
Value Pro								
Part No.	Capac	itance	Volt.	10	100	500	1000	
544737	2	1μF	50	\$.304	\$.182	\$.106	\$.074	
544745	2	4.7µF	16	.70	.416	.243	.169	
Other Manufacturers — Great Deals								
651541	0.	.10µF	50	\$.231	\$.137	\$.079	\$.055	
651559	0.	.22µF	50	.424	.25	.144	.10	
651567	0.	.47µF	50	.347	.205	.118	.082	
651575		1μF	50	.27	.159	.092	.064	
651583		2.2µF	25	.385	.228	.131	.091	
651591		4.7µF	16	.62	.364	.21	.146	
651604		10μF	10	.77	.455	.263	.182	

Y5V Series (+80%, -20%) (Continued)

1210 SMT			Pricing per each*					
Part No.	Part No. Capacitance Volt.			100	500	1000		
0	ther Manu	ıfactı	urers —	- Great	Deals			
651815	10μF	16	\$2.08	\$1.23	\$.71	\$.491		
651823	22µF	10	2.09	1.05	1.04	.72		

Y5V Series (±20%)

0603 SMT						
Part No.	Capacitance	Volt.	10	100	500	1000
Oi	ther Manu	ufact	urers —	- Great	Deals	
649782	0.01µF	50	\$.063	\$.046	\$.026	\$.018
649838	0.1µF	25	.077	.046	.018	.026
649846	0.15µF	25	.154	.091	.053	.036
649854	0.22µF	25	.077	.046	.026	.018
649791	0.22µF	50	.077	.046	.026	.018
649862	0.33µF	25	.154	.091	.053	.036
649803	0.33µF	50	.077	.046	.026	.018
649871	0.47µF	16	.077	.046	.026	.018
649811	0.47µF	50	.077	.046	.026	.018
649820	0.68µF	50	.077	.046	.026	.018
649897	1μF	10	.077	.042	.026	.018
649889	1μF	16	.077	.046	.026	.018

X5V Series (+80%, -20%)

JAMECO"	0402 SN	/IT		Pricing per each*			
Value Pro							
Part No.	Capacitance	Volt.	10	100	500	1000	ı
543777	≈ 0.1µF	16	\$.163	\$.104	\$.099	\$.099	

Z5U Series (±20%)

JAMECO"		1206 SI	ИT	Pricing per each*					
Value Pro									
Part No.		Capacitance	Voltage	100	500	1000	5000		
87185		.1µF	50	\$.05	\$.045	\$.036	\$.027		
87222		.47µF	50	.225	.198	.171	.153		

^{*} Prepackaged: please order in quantity increments shown

Panasonic[®]

overvoltages in compact sizes

ZNR Transient/Surge Absorbers (Type D)

Large withstanding surge current capability in compact sizes
 Large "Energy Handling Capability" absorbing transient

For more Panasonic visit www.Jameco.com

MEW

* Prepackaged: please order in increments of 5

			Max. Al	ax. Allowable CI		Clamping Volt.		Max. Energy		Max. Peak Current			
		Varistor	Volt	. (V)	@ 8/2	.0μs	(Jou	le)	@ 8/2	0μs (A)		Pricing	
Part No.	Product No.	Volt. (V)	Acrms	DC	Max. (V)	Ip (A)	10/1000µs	2ms	1 time	2 times	1	5	50
864968	ERZ-V05D220 ≈ ♠	22 (20-24)	14	18	48	1	0.7	0.5	250	125	*	\$.20	\$.171
864976	ERZ-V05D270 ₹ ♠	27 (24-30)	17	22	60	1	0.9	0.7	250	125	*	.20	.171
864984	ERZ-V05D390 ≈ ♠	39 (35-43)	25	31	86	1	1.2	0.9	250	125	*	.20	.171
864992	ERZ-V05D560 ₹ ♠	56 (50-62)	35	45	123	1	1.8	1.3	250	125	*	.20	.171
865004	ERZ-V05D680 ≈ ♠	68 (61-75)	40	56	150	1	2.2	1.6	250	125	*	.20	.171
865012	ERZ-V07D201 ₹ ♠	200 (185-225)	130	170	340	10	17.5	12.15	1750	1250	*	.228	.19
865021	ERZ-V07D220 ₹ ♠	22 (20-24)	14	18	4.3	2.5	1.3	1.1	500	250	*	.228	.19
865039	ERZ-V07D330 ₹ ♠	33 (30-36)	20	26	65	2.5	2	1.6	500	250	*	.228	.19
922718	ERZ-V07D390 ₹ ♠	39 (35-43)	25	31	77	2.5	2.4	1.9	500	250	*	.228	.19
865047	ERZ-V07D431 ₹ ♠	430 (387-473)	275	350	710	10	40	27.5	1750	1250	*	.228	.19
865055	ERZ-V07D470 ≈ ♠	47 (42-52)	30	38	93	2.5	2.8	2.3	500	250	*	.228	.19
865063	ERZ-V07D471 ≈ ♠	470 (459-561)	320	410	845	10	45	32	1750	1250	*	.228	.19
865071	ERZ-V07D560 ₹ ♠	56 (50-62)	35	45	110	2.5	3.4	2.7	500	250	*	.228	.19
865080	ERZ-V07D820 ≈ ♠	82 (74-90)	50	65	135	10	7	5	1750	1250	*	.228	.19
922742	ERZ-V10D431 ₹ ♠	430 (387-473)	275	350	710	25	80	55	3500	2500	*	.299	.249
922777	ERZ-V14D101 ≈ ♠	100 (90-110)	60	85	165	50	35	25	6000	5000	*	.399	.335
922806	ERZ-V14D241 ≈ ♠	240 (216-264)	150	200	385	50	84	60	6000	5000	*	.399	.335
922831	ERZ-V14D431 ₹ ♠	430 (387-473)	275	350	710	50	155	110	6000	4500	.55	.487	.405

[♠] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



651111

651129

5600pF 50

.01µF

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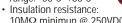
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Ceramic Trimmer Capacitors & Resistor Networks

8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

- Working voltage: 250VDC
- Withstand voltage: 550VDC Turning torque: 40~200 g-cm
- Operating temperature range: -55°C~+85°C



 $10M\Omega$ minimun @ 250VDC Q Factor @ 1MHz:

32855/94449/94466: >200

134820/32838/134818: >300 Blue Part No. = Limited Quantity Available

EXCLUSIVE



	Capacitance	Color	Pricing			
Part No.	Range (pF)	Codes	1	10	100	1000
134820	3.5–13.0₹	Ivory	\$.49	\$.39	\$.39	\$.36
32838	4.0–34.0 ⊕ ✿	Yellow	.99	.84	.77	.58
32855	6.0-70.0 2	None	.92	.78	.72	.68
94449	8.5–100 ⊕	Purple	1.05	.94	.81	.77
94466	8.5−120 ≈	None	.99	.79	.65	.59
Oth	or Manufactu	Cro	at Da	alc		

4466		8.5–120₹	None	.99	.79	.65	.59
Other Manufacturers — Great Deals							
34818		3.5-13.0	Ivory	\$.62	\$.55	\$.45	\$.335

6, 8, and 10-Pin Bused Single-In-Line "SIP" Resistor Networks (±2%)



- · Miniature, high density packaging
- Operating temperature range: -55°C to +125°C
- Temperature coefficient range: ±100ppm/°C: $50\Omega - 1.0M\Omega$; $\pm 250 ppm/°C$. $< 50\Omega$ or > 1.0M
- Rating ambient temperature: +70°C
- · Wattage/element: 1/8 watt
- Max. working voltage: 100V
- · Prepackaged: please order in increments of 10

0	•	•
Common	Pin One Indicated	
R ₁ ≸ R ₂ ≸ R ₃ ≸R _n ≸ 2 3 4n+1 R ₁ = R ₂ = = R _n	4 * * * * * * * * * * * * * * * * * * *	2.5 max. 08 max. 2 ±0.5

Series	4606X⊕	4608X⊕	4610X⊕
Part No.	4606X-1-xxx	4608X-1-xxx	4610X-1-xxx
Pins	6-Pin	8-Pin	10-Pin
10 pcs.	\$.14	\$.19	\$.23
100 pcs.	\$.085	\$.122	\$.16
500 pcs.	\$.076	\$.114	\$.14
1000 pcs.	\$.071	\$.105	\$.13

Surface Mount Chip Resistor Array

To order, replace "xxx" in the Part No. with the value to the right (e.g. – 4608X-1-512 for a 5.1kΩ 8-pin device).	$ \begin{array}{c} 10\Omega - 100 \\ 22\Omega - 220 \\ 27\Omega - 270 \\ 33\Omega - 330 \\ 39\Omega - 390 \\ 47\Omega - 470 \\ 51\Omega - 510 \\ 56\Omega - 560 \\ 68\Omega - 680 \\ 82\Omega - 820 \\ 100\Omega - 101 \\ \end{array} $	$\begin{array}{c} 120\Omega - 121 \\ 150\Omega - 151 \\ 180\Omega - 181 \\ 220\Omega - 221 \\ 270\Omega - 271 \\ 330\Omega - 331 \\ 390\Omega - 391 \\ 470\Omega - 471 \\ 510\Omega - 511 \\ 560\Omega - 561 \\ 820\Omega - 821 \\ \end{array}$	$1k\Omega - 102$ $1.2k\Omega - 122$ $1.5k\Omega - 152$ $1.8k\Omega - 182$ $2.0k\Omega - 202$ $2.2k\Omega - 222$ $2.7k\Omega - 272$ $3.3k\Omega - 332$ $3.9k\Omega - 392$ $4.7k\Omega - 472$ $5.1k\Omega - 512$	$\begin{array}{c} 5.6k\Omega - 562 \\ 6.8k\Omega - 682 \\ 8.2k\Omega - 822 \\ 10k\Omega - 103 \\ 12k\Omega - 123 \\ 15k\Omega - 153 \\ 18k\Omega - 183 \\ 20k\Omega - 203 \\ 22k\Omega - 223 \\ 27k\Omega - 273 \\ 33k\Omega - 333 \\ \end{array}$	39kΩ $ 39$ 3 47kΩ $ 47$ 3 56kΩ $ 56$ 3 68kΩ $ 68$ 3 82kΩ $ 82$ 3 100kΩ $ 104120$ kΩ $ 124150$ kΩ $ 154180$ kΩ $ 18422$ 0kΩ $ 224270$ kΩ $ 274$	330kΩ — 334 390kΩ — 394 470kΩ — 474 560kΩ — 564 680kΩ — 684 820kΩ — 824 1MΩ — 105
	10022 101	02011 021	J. IK25 — J12	JOKEL JOS	270000 274	

0805 Resistor Assortment (±5%)

144 Values, 50 pcs. each; 7,200 pcs. Total



10.5"L x 6.7"W x 1.7"T

Operating temp.: -50°C to 120°C
 Weight: 1.9 lbs.

Includes: Case with labels

172806 16-500 ⊕ \$79.95 \$71.95 \$64.79

1206 Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs. Total



200 243 4.99k 12.1 15 301 6.19k 100k

20 392 7.5k 121k 9.09k

30.1 619 10k 200k

49.9 909 15k 301k

61.9 1k 20k 392k

90.9 1.5k 30.1k 619k

100

121 2 43k 49 9k 909k 61.9k

150

75 1.21k 24.3k 499k

Value Chart (Ohms)

12.1k 243k

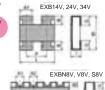
39.2k 750k

- · Max. working voltage: 200V
- Power: 1/8W Operating temperature:
- -55°C to +125°C
- Temp. coefficient: ±100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H Cross Ref. No. 10

Part No. SMR1206SB**₹** \$99.99 \$89.99 For more Panasonic SMT Chip Resistors visit www.Jameco.com

Panasonic[®]

- High density
 Improvement of placement efficiency
- 2 resistors in 1mm x 1mm (EXB24V)
- 4 resistors in 2mm x 1mm (EXB28V) • 8 resistors in 3.8mm x 1.6mm (EXB2HV)
- 4 resistors in 3.2mm x 1.6mm (EXB38V, V8V)
- Prepackaged: please order in increments of 5 EXB28V, 38V EXB2HV



	Improvement of placement efficiency								
	Dimensions in mm								
vpe	L	w	Т	A1	A2				

Difficultion in this										
Туре	L	W	Т	A1	A2	В	P	G		
Convex Terminal Type										
EXB24V (0402 x 2)	1.0	1.0	0.35	0.40	_	0.18	(0.65)	0.25		
EXB28V (0402 x 4)	2.0	1.0	0.35	0.45	0.35	0.20	(0.50)	0.25		
EXB28HV (0402 x 8)	3.8	1.6	0.45	0.35	0.35	0.30	(0.50)	0.30		
EXB38V (0603 x 4)	3.2	1.6	0.50	0.65	0.45	0.30	(0.80)	0.35		
		Con	cave Teri	minal Typ	e					
EXBN8V (0402 x 4)	2.0	1.0	0.45	0.30	0.30	0.20	(0.50)	0.30		
EXBV8V (0603 x 4)	3.2	1.6	0.60	0.60	0.60	0.30	(0.80)	0.45		
						_				

	Case No of Malue Pricing											
		Case	No. of	Value	!	Pric	ing					
Part No.	Product No.	Туре	Resistors	(Ω)	Tolerance	5	50					
865135	EXB-24V3R0JX ₹ ♠	0402	2	3	5%	\$.097	\$.084					
865119	EXB-24V100JX ₹ ♠	0402	2	10	5%	.097	.084					
865127	EXB-24V103JX ₹ ♠	0402	2	10k	5%	.097	.084					
865258	EXB-28VR000X ♠	0402	4	0	0%	.097	.084					
865143	EXB-28V100JX ₹ ♠	0402	4	10	5%	.097	.084					
865207	EXB-28V220JX ₹ ♠	0402	4	22	5%	.097	.084					
865215	EXB-28V240JX 🕿 🍨	0402	4	24	5%	.097	.084					
922890	EXB-28V330JX 🕿 🍨	0402	4	33	5%	.097	.084					
865231	EXB-28V390JX ₹ ♠	0402	4	39	5%	.097	.084					
865240	EXB-28V470JX ₹ ♠	0402	4	47	5%	.097	.084					
922953	EXB-28V560JX ₹ ♠	0402	4	56	5%	.097	.084					
865151	EXB-28V101JX ₹ ♠	0402	4	100	5%	.097	.084					
865223	EXB-28V331JX ₹ ♠	0402	4	330	5%	.097	.084					
865160	EXB-28V102JX ₹ ♠	0402	4	1k	5%	.097	.084					
865186	EXB-28V152JX ₹ ♠	0402	4	1.5k	5%	.097	.084					
922929	FXR-28V472 IX ₹ ♠	0402	4	4 7k	5%	097	084					

		Case	No. of	Value	i	Prici	ng
Part No.	Product No.	Туре	Resistors	(Ω)	Tolerance	5	50
865178	EXB-28V104JX ₹ ♠	0402	4	100k	5%	\$.097	\$.084
923059	EXB-2HVR000V ₹ ♠	0402	8	0	0%	.174	.152
923016	EXB-2HV220JV ₹ ♠	0402	8	22	5%	.174	.152
923032	EXB-2HV330JV ₹ ♠	0402	8	33	5%	.174	.152
922970	EXB-2HV101JV ₹ ♠	0402	8	100	5%	.174	.152
922996	EXB-2HV103JV ₹ ♠	0402	8	10k	5%	.174	.152
923091	EXB-38V220JV ₹ ♠	0603	4 ¦	22	5%	.03	.026
865291	EXB-38V330JV ₹ ♠	0603	4	33	5%	.03	.026
865303	EXB-38V390JV ₹ ♠	0603	4	39	5%	.03	.026
865311	EXB-38V510JV ₹ ♠	0603	4	51	5%	.03	.026
865320	EXB-38V560JV ₹ ♠	0603	4	56	5%	.03	.026
865266	EXB-38V102JV ₹ ♠	0603	4	1k	5%	.03	.026
865282	EXB-38V222JV ₹ ♠	0603	4	2.2k	5%	.03	.026
923075	EXB-38V103JV ₹ ♠	0603	4	10k	5%	.03	.026
865274	EXB-38V221JV ₹ ♠	0603	4	22k	5%	.03	.026
923171	EXB-V8V330JV ₹ ♠	0603	4	33	5%	.077	.067
923198	EXB-V8V472JV ₹ ♠	0603	4	4.7k	5%	.077	.067
923155	EXB-V8V103JV ₹ ♠	0603	4	10k	5%	.077	.067

.097 📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

.097

5%

5%

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.084

.084

922865

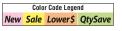
EXB-28V103JX ₹ ♠ 0402

EXB-28V203JX **₹** ♠

Pricing Per Unit (Please order in increments of 100)







1/4-Watt Carbon Film Resistors (±5%)

2000

\$.007



Specify Part No. & Resistor Value

(see Standard Resistor Values Chart below)



Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%) To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

\$.01

\$.009



1000

\$.008

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Description (Including bulk pack values)	1	10	25
10720	5 ea. 70 values (every other value from 10Ω - 5.6 MΩ) (350 pcs.) ₹	\$9.95	\$8.95	\$7.95
103166	10 ea. 24 values marked (●) & 50 ea. 6 values marked (¥) (540 pcs.) ₹	12.95	11.49	9.95
10664	100 ea. 27 values marked (▲) (2,700 pcs.) ₹	24.95	22.49	20.49
10656	100 ea. 160 values (all resistor values in the chart below) (16,000 pcs.) ₹ ❖	119.95	107.95	96.95
81832	1/4-watt resistor component cabinet kit – 30 values (540 pcs.), pg 78	27.95	24.95	22.49

ூ Blue Part No. = Limited Quantity Available

x ▲ ● see above

Pricing

															See above
Part No.	0hms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	2 .2	690427	2 15	690620 ▲×	2 100	690822 ▲●	2 680	691024 ▲×	₽ 4.7k	691227 ▲●	≈ 33k	691420	≈ 220k	691622	≉ 1.5M
690224	2 .4	690435	2 16	690638	2 110	690831	2 750	691032 ▲●	≈ 5.1k	691235	≈ 36k	691438	≈ 240k	691631	₹ 1.6M
690232	2 .7	690443	2 18	690646	2 120	690849	2 820	691041 ▲●	≈ 5.6k	691243	≈ 39k	691446	≈ 270k	691892	₹ 1.8M
690241	2 3.0	690451	2 20	690654	2 130	690857	2 910	691059	≈ 6.2k	691251	≈ 43k	691454	≈ 300k	691649	₹ 2.0M
690259	2 3.3	690460	2 22	690662 ▲●	2 150	690865 ▲×	2 1.0k	691067	≈ 6.8k	691260 ▲●	≈ 47k	691462	≈ 330k	691657	₹ 2.2M
690267	2 3.6	690478	2 24	690671	2 160	690873	≈ 1.1k	691075	₹ 7.5k	691278	≈ 51k	691471	≈ 360k	691665	₹ 2.4M
690275	2 3.9	690486	2 27	690689	2 180	690881 •	≈ 1.2k	691083	≈ 8.2k	691286	≈ 56k	691489	≈ 390k	691673	₹ 2.7M
690283	2 4.3	690494	2 30	690697	2 200	690890	≈ 1.3k	691091	₽ 9.1k	691294	≈ 62k	691497	≈ 430k	691681	₹ 3.0M
690291	2 4.7	690507	2 33	690700 ▲×	2 220	690902 ▲●	≈ 1.5k	691104 ▲×	2 10k	691307	≈ 68k	691500 ▲●	≈ 470k	691690	₹ 3.3M
690304	2 5.1	690515	2 36	690718	2 240	690911	≈ 1.6k	691112	₽ 11k	691315	≈ 75k	691518	≈ 510k	691702	₹ 3.6M
690312	2 5.6	690523	2 39	690726 ▲●	2 270	690929	₹ 1.8k	691121	₽ 12k	691323	≈ 82k	691526	≈ 560k	691711	₹ 3.9M
690321	2 6.2	690531	2 43	690734	2 300	690937 ▲●	≈ 2.0k	691139	≈ 13k	691331	≈ 91k	691534	≈ 620k	691737	₹ 4.7M
690339	2 6.8	690540 ▲●	2 47	690742 ▲●	2 330	690945 ▲●	≈ 2.2k	691147 ▲●	≈ 15k	691340 ▲×	2 100k	691542	≈ 680k	691745	₹ 5.1M
690347	? 7.5	690558	2 51	690751	2 360	690953	≈ 2.4k	691155	2 16k	691358	2 110k	691551	≈ 750k	691753	₹ 5.6M
690363	2 8.2	690566	2 56	690769 •	2 390	690961 ▲●	≈ 2.7k	691163	2 18k	691366	2 120k	691569	≈ 820k	691761	₹ 6.2M
690371	2 9.1	690574	2 62	690777	2 430	690970	≈ 3.0k	691171 •	2 20k	691374	≈ 130k	691577	≈ 910k	691770	₹ 6.8M
690380 ▲●	? 10	690582	2 68	690785 ▲●	2 470	690988 ▲●	≈ 3.3k	691180 ▲●	≈ 22k	691382	≈ 150k	691585 ▲●	₹ 1.0M	691788	₹ 7.5M
690398	? 11	690591	2 75	690793	2 510	690996	≈ 3.6k	691198	₽ 24k	691391	2 160k	691593	₹ 1.1M	691796	₹ 8.2M
690401	? 12	690603	2 82	690806	2 560	691008	≈ 3.9k	691201	≈ 27k	691403	≈ 180k	691606	≉ 1.2M	691809	₹ 9.1M
690419	2 13	690611	2 91	690814	2 620	691016	≉ 4.3k	691219	≈ 30k	691411	≈ 200k	691614	₹ 1.3M	691817 ▲●	2 10M

1/2-Watt Carbon Film Resistors (±5%)



Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Values

Cross

	0.000	• 4.400			5
Part No.	Ref. No.	Included	Description (see chart on left)	1	10
107853	ASST1230 ₹	Х	10 ea. of 24 values marked by x and 50 ea.		
		#	of 6 values marked by # (540 pcs.)	\$14.95	\$13.49
107845	ASST1227 ₹	~	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107837	ASST1270 ₹	_	5 ea. of 70 values (every other value from		
			10Ω - 5.6MΩ)(350 pcs.) (see chart below)	10.95	9.95
107879	CAB12R	_	1/2-watt resistor component cabinet kit -		
			30 values (540 pcs.), see page 96	29.95	26.95

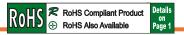
Pricing Per Unit (Please order in increments of 100)									
Specify Part No. & Resistor Value	100	500	1000	2000					
(see Standard Resistor Values Chart below)	\$.028	\$.014	\$.013	\$.014					

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%) To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

(See Standard	IVESISIOI	values chart be	710W) 4	.020 \$.0	17	φ.013	ψ.U14				30 values (3-	то рез.), эес ра	gc 70		20.75
Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	2 1.0	659796	2 8.2	661212	2 62	661423 🗸 X	2 470	661642	₹ 3.6k	661853 X	₹ 27k	662063	₹ 200k	662274	₹ 1.5M
659585	2 1.1	659809	2 9.1	661221	2 68	661431	2 510	661651	≈ 3.9k	661861	≈ 30k	662071	≈ 220k	662282	₹ 1.6M
659593	2 1.2	659817 🗸 X	2 10	661239	2 75	661440	2 560	661669	≈ 4.3k	661870 🗸 X	≈ 33k	662080	≈ 240k	662291	₹ 1.8M
659606	2 1.3	659825	2 11	661247	2 82	661458	2 620	661677 ✔ X	2 4.7k	661888	₹ 36k	662098	₹ 270k	662303	₹ 2.0M
659614	2 1.5	659833	2 12	661255	2 91	661466 🗸 X	2 680	661685 ✔ X	≈ 5.1k	661896	≈ 39k	662101	≈ 300k	662311	₹ 2.2M
659622	2 1.6	659841	2 13	661263 🗸 #	2 100	661474	2 750	661693 ✔ X	≈ 5.6k	661909	≈ 43k	662119	≈ 330k	662320	₹ 2.4M
659631	2 1.8	659850	2 15	661271	2 110	661482	2 820	661706	≈ 6.2k	661917 🗸 X	₹ 47k	662127	≈ 360k	662338	₹ 2.7M
659649	2 2.0	659868	2 16	661280	2 120	661491	2 910	661714 X	≈ 6.8k	661925	₽ 51k	662135	≈ 390k	662346	₹ 3.0M
659657	2 2.2	659876	2 18	661298	2 130	661503 ✔ X	₹ 1.0k	661722	≈ 7.5k	661933	≈ 56k	662143	≉ 430k	662354	₹ 3.3M
659665	2 2.4	659884	2 20	661301 ✔ X	2 150	661511	₹ 1.1k	661731	≈ 8.2k	661941	₹ 62k	662151 🗸 X	₹ 470k	662362	₹ 3.6M
659673	2 2.7	659892	2 22	661319	2 160	661520	₹ 1.2k	661749	₽ 9.1k	661950	≈ 68k	662160	≈ 510k	662371	₹ 3.9M
659681	2 3.0	659905	2 24	661327	2 180	661538	₹ 1.3k	661757 ✔ X	2 10k	661968	≈ 75k	662178	≈ 560k	662389	₹ 4.3M
659690	2 3.3	661124	2 27	661335	2 200	661546 🗸 X	₹ 1.5k	661765	≈ 11k	661976	₹ 82k	662186	≈ 620k	662397	₹ 4.7M
659702	2 3.6	661132	2 30	661343 🗸 #	2 220	661554	₹ 1.6k	661773	≈ 12k	661984	₽ 91k	662194	≈ 680k	662400	₹ 5.1M
659711	2 3.9	661141	2 33	661351	2 240	661562	₹ 1.8k	661781	₹ 13k	661992 🗸 X	? 100k	662207	≈ 750k	662418	₹ 5.6M
659729	2 4.3	661159	2 36	661360 ✔X	2 270	661571 ✓ X	₹ 2.0k	661790 ✔ X	≈ 15k	662004	₹ 110k	662215	₹ 820k	662426	₹ 6.2M
659737	2 4.7	661167	2 39	661378	2 300	661589 ✔ X	₽ 2.2k	661802	≈ 16k	662012	₽ 120k	662223	≈ 910k	662434	₹ 6.8M
659745	2 5.1	661175	2 43	661386 ✔ X	2 330	661597	≈ 2.4k	661811	≈ 18k	662021	₹ 130k	662231 ✔ X	₹ 1.0M	662442	₹ 7.5M
659753	2 5.6	661183 🗸 X	2 47	661394	2 360	661600 ✓ X	₹ 2.7k	661829	2 20k	662039	₹ 150k	662240	2 1.1M	662451	₹ 8.2M
659761	2 6.2	661191	2 51	661407 X	2 390	661618	₹ 3.0k	661837 ✔ X	₽ 22k	662047	₽ 160k	662258	≉ 1.2M	662469	₽ 9.1M
659770	2 6.8	661204	2 56	661415	2 430	661634 🗸 X	≈ 3.3k	661845	≈ 24k	662055	≈ 180k	662266	₹ 1.3M	662477 🗸 X	2 10M
659788	2 7.5	, 		•		(✓), (X), (#) sy	mbols indi	cate Resistor va	alues inclu	ded in Assort	ments above).		•	

① This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







5-Watt Wirewound Resistors (5%)

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

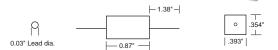
To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	\$.36	\$.30	\$.228	\$.199	\$.162

•	Temp	range:	-55°C	to	+155°C

Moisture resistant

· High temperature stability · Exceptionally small, sturdy and reliable



Standard Resistor Values Chart

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956	₹ 0.10	660092	₹ 0.68	660236	2 2.7	660375	? 10	660519	2 36	660658	2 150	660797	2 500	660931	2 1.8k
659964	₹ 0.15	660105	₹ 0.75	660244	₹ 3.0	660383	2 11	660527	2 39	660666	2 160	660800	2 510	660949	2 2.0k
659972	₹ 0.20	660113	₹ 0.82	660252	₹ 3.3	660391	? 12	660535	2 43	660674	2 180	660818	2 560	660957	₹ 2.2k
659981	2 0.22	660121	₹ 0.91	660261	₹ 3.9	660404	2 13	660543	2 47	660682	2 200	660826	2 620	660965	₹ 2.4k
659999	₹ 0.27	660130	2 1.0	660279	2 4.0	660412	2 15	660551	2 50	660691	2 220	660834	2 680	660973	₹ 2.7k
660009	₹ 0.30	660148	2 1.1	660287	2 4.7	660421	2 16	660560	2 56	660703	2 240	660842	2 750	660981	₹ 3.0k
660017	₹ 0.33	660156	2 1.2	660295	₹ 5.0	660439	2 18	660578	2 62	660711	2 250	660851	2 820	660990	₹ 3.3k
660025	₹ 0.39	660164	2 1.3	660308	2 5.1	660447	2 20	660586	2 68	660720	2 270	660869	2 910	661001	₹ 3.9k
660033	₹ 0.43	660172	2 1.5	660316	2 5.6	660455	2 22	660594	2 75	660738	₹ 300	660877	? 1.0k	661010	₹ 4.7k
660041	₹ 0.47	660181	2 1.6	660324	2 6.2	660463	2 24	660607	2 82	660746	₹ 330	660885	? 1.1k	661028	₹ 5.0k
660050	₹ 0.50	660199	2 1.8	660332	2 6.8	660471	2 25	660615	2 91	660754	2 360	660893	? 1.2k	661036	2 10k
660068	2 0.51	660201	2 2.0	660341	2 7.5	660480	2 7	660623	2 100	660762	2 390	660906	? 1.3k	661044	2 20k
660076	₹ 0.56	660210	2 2.2	660359	2 8.2	660498	2 30	660631	2 120	660771	2 430	660914	? 1.5k	661052	₹ 25k
660084	₹ 0.62	660228	2 .4	660367	2 9.1	660501	2 33	660640	? 130	660789	2 470	660922	? 1.6k	i	

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bused (125mW/Resistor) ±2%

Features (8BRN/10BRN):

- · 8-pin package (7 resistors) = 8BRN 10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor · Operating temperature range:
- -55°C to +125°C Resistance temperature
- coefficient: 200ppm/°C Insulation resistance:
- 10,000M Ω min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.200" body ht.)
- · Low profile is compatible with DIPs
- · Cermet thick film construction

	LMAX - MAX - 2 54 TSX	
1 \$ 5 5	5.0 mex	
- 33 3	1217471117 1 025+2.1	
600000	G Eller II	
	2.54 → + ±0.1 1.2 mmx Dimensions: mm	

	_	Market Co.	THE RES	Part No.
			1117	97826
				97851
	Pricing p	er each	1	97869
1	10	100	1000	97877
\$.25	\$.19	\$.15	\$.12	97877
Pr	icing for	P/N 978	26	24660
\$.24	\$.18	\$.14	\$.11	24643
Ps				98087

97826	8	10k
97851	10	330
97869 🕀	10	470
97877	10	1.0k
97893	10	2.2k
24660	10	4.7k
24643	10	10k
98087 🕀	10	47k
98095	10	100k

Pins Ohms

1/8-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W - \$12.95/k (bulk)

	Cross	Values		Pricing	
Part No.	Ref. No.	included	Description (see chart below)	1	10
108303	ASST1830₹	×	10 ea. of 24 values marked by x and 50 ea.		
		#	of 6 values marked below by # (540 pcs.)	\$12.95	\$11.49
108290	ASST1827 ↔	~	100 ea. of 27 values marked by ✓ (2,700 pcs.)	29.95	26.95
108329	CAB182R	_	1/8-watt resistor component cabinet kit –		
			30 values (540 pcs.), see page 96	24.95	22.49

1/8-Watt Resistor Assortments Value Chart (Ohms)

										470k ✓ X
										1.0M ✓ X
Į	100 ✔#	270 √ X	470 ✓ X	1.5k ✓ X	2.7k √ X	5.1k ✓ X	10k √ #	27k X	100k √ #	10M √ X

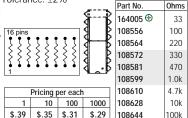
(✓), (X), (#) symbols indicate Resistor values included in Assortments above.

Dual-In-Line "DIP" Resistor Networks (±2%)

16-Pin Isolated (140mW/Resistor) ±2%

Features (16IRN):

- Maximum operating voltage: 100V
 Tolerance: ±2%
- Temperature coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation resistance: $10,000M\Omega$ min.
- · Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts
- · Compatible with automatic insertion equipment
- Copper leads for excellent heat dissipation



SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A – B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN	770-81-R	708A	4608X-101	CSC08A01	L08-1-R	356CF X2PD	9S08 GL002
10BRN	770-101-R	710A	4610X-101	CSC10A01	L10-1-R	256CX X2PD	9S10 GL002
16IRN	761-3-R	316B	4116R-001	MDP16-03	898-3-R	916C X5SR	D16H 12-J

1/4-Watt & 1/2-Watt Resistor **Lead Forming Tool**

- · Watt size indicates appropriate package size
- · Bends lead length in .05" increments Excellent for capacitors also
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"
- Size: 5.4"L x 1.5"W

Part No. 10 50 1/4W & 1/2W⊕ 106884 \$2.79 \$2.65 \$2.52

Many more resistor products are available on our website www.Jameco.com

- RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

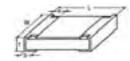
RoHS Compliant Product
RoHS Also Available

Color Code Legend

New Sale Lower\$ QtySave

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1% Single Value Resistor Pricing

To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

	Pricing Per Unit (Please order in increments of 10)							
Specify Part No. & Resistor Value 10 100 500								
	0402 (Resistor Values Chart)	\$.095	\$.05	\$.029	\$.019			
	1206 (Resistor Values Chart)	.11	.06	.034	.023			
	0603 (Resistor Values Chart)	.085	.045	.026	.017			
	0805 (Resistor Values Chart)	.086	.046	.027	.018			

Case Size 0402 (ERJ-2RKFxxxxX Series)

Part No.	Ohms	Part No.	Ohms
862188	10 ₹ ♠	862153	4.99k ≈ ♠
862276	49.9 ₹ ♠	862090	10k ₹ ♠
920940	100 ≈ ♠	862217	33.2k ≈ ♠
862305	750 ≈ ♠	862129	100k ₹ ♠
921002	1k ₹ ♠	862153	1M ≈

Case Size 1206 (ERJ-8ENFxxxxV Series)

Part No.	Ohms	Part No.	Ohms
864749	10 ≈ ♠	864731	1k 欠 ♠
864765	15 🎗 🍨	864773	1.96k 欠 ♠
864790	49.9 🇷 🛧	864781	2.21k ₹ ♠
864757	124 欠 ♠	864802	6.34k ₹ ♠
864811	681 ≈ ♠	922582	10k 欠 ♠

Visit our website at www.Jameco.com

for additional Panasonic resistor products and values

Panasonic®

5% Single Value Resistor Pricing

To order: Use part number adjacent to ohms in chart below. Values may not be combined for quantity price breaks.

Pricing Per Unit (Please order in increments of 10)							
Specify Part No. & Resistor Value 10 100 500 1000							
0402 (Resistor Values Chart)	\$.079	\$.042	\$.024	\$.016			
1216 (Resistor Values Chart)	.089	.048	.027	.018			
0603 (Resistor Values Chart)	.076	.04	.023	.015			
0805 (Resistor Values Chart)	.073	.039	.022	.015			

Case Size 0402 (ERJ-2GEJ Series)

Part No.	Ohms	Part No.	Ohms
920827	0 % •	862065	680 ₹ ♠
861901	1 ₹ ♠	861943	2.7k ≈ ♠
862031	5.1 🗷 🛧	862006	4.7k ≈ ♠
861775	10 ₹ ♠	920886	10k ≈ ♠
920915	33 ₹ ♠	861791	100k ₹ ♠
920851	100 ₹ ♠		
861871	150 ₹ ♠	861812	1M 欠 ♠
261072	430 2 A	861847	10M ₹ ♠

Case Size 1206 (ERJ-8GEY Series)

Part No.	Ohms	Part No.	Ohms
922611	0 ≈ ♠	864845	1k 欠 ♠
864888	1 ₹ ♠	864909	3k 欠 ♠
864933	3 ₹ ♠	864925	3.3k ≉ ♠
864829	10 ₹ ♠	922654	4.7k ≈ ♠
864837	100 ₹ ♠	864870	18k ₹ ♠
864896	270 🗷 🛧	864853	100k ≈ ♠
864917	330 ₹ ♠	864861	10M ≈ ♠

1% Precision Thick Film Resistors

For more Panasonic Resistors visit www.Jameco.com

Case	Power Rating	Max.	Max. Overload		Dimensions (mm)		Temperature	Panasonic		
Size	@ 70°C	RCWV	Voltage	L	W	а	b	t	Coefficient	Series No.
0402	1/16W	50V	100V	1	0.5	0.2	0.25	0.35	10 - 1MΩ ±100ppm/°C	ERJ-2RKFxxxxX
0603	1/16W - (1/10W)	50V	100V	1.6	0.8	0.3	0.3	0.45	10 - 1MΩ ±100ppm/°C	ERJ-3EKFxxxxV
0805	1/10W - (1/8W)	150V	200V	2	1.25	0.4	0.4	0.6	10 - 2.2M ±100ppm/°C	ERJ-6ENFxxxxV
1206	1/8W - (1/4W)	200V	400V	3.2	1.6	0.5	0.5	0.6	10 - 2.2M ±100ppm/°C	ERJ-8ENFxxxxV

Case Size 0603 (ERJ-3EKFxxxxV Series)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
921184	10 ₹ ♠	863666	464 ₹ ♠	863842	5.23k ₹ ♠	863738	47k ≈ ♠
862840	22.1 🌊 🏚	863691	470 ₹ ♠	863973	5.76k ≈ ♠	921483	47.5k ≈ ♠
863287	30.1 ₹ ♠	863771	499 ₹ ♠	864010	7.15k ₹ ♠	921512	49.9k ≈ ♠
863501	37.4 ₹ ♠	863990	619 ₹ ♠	864036	7.5k ≈ ♠	863922	56.2k ≈ ♠
921547	49.9 ₹ ♠	921096	1k ₹ ♠	921125	10k ≈ ♠	864028	71.5k ≈ ♠
863893	54.9 ₹ ♠	862410	1.1k ≈ ♠	862381	10.2k ₹ ♠	864052	97.6k ≈ ♠
921571	75 ₹ ♠	862663	1.87k ≈ ♠	862487	13.3k ₹ ♠	921150	100k ₹ ♠
864044	90.9 ₹ ♠	921272	2k ₹ ♠	921248	15k ₹ ♠	862452	110k ₹ ♠
921037	100 ₹ ♠	862962	2.43k ₹ ♠	862559	15.4k ₹ ♠	862698	187k ₹ ♠
921213	150 ₹ ♠	863041	2.49k ≈ ♠	862583	17.4k ₹ ♠	863113	249k ₹ ♠
862532	154 ₹ ♠	863172	2.94k ≈ ♠	921301	20k ≈ ♠		294k %
862621	178 🗷 🍨	863367	3.24k ₹ ♠	862938	23.7k ≈ ♠	863201	
862743	200 ₹ ♠	863471	3.48k ₹ ♠	863017	24.3k ₹ ♠	863252	301k ₹ ♠
862815	221 🎗 🏚	863543	3.92k ₹ ♠	863084	24.9k ₹ ♠	863439	332k ₹ ♠
862882	237 🕿 🏚	921416	4.02k ₹ ♠	863130	27.4k ₹ ♠	863615	392k ₹ ♠
921387	249 ₹ ♠	921441	4.75k ≈ ♠	863324	31.6k ₹ ♠	862330	1M ≈ ♠
863391	332 ₹ ♠	863818	5.11k ₹ ♠	863586	39.2k ₹ ♠	862778	2M ≈ ♠

Case Size 0805 (ERJ-6ENFxxxxV Series)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
922128	10 ₹ ♠	864538	750 🎗 🏚	864482	4.75k ≈ ♠	922216	22.1k 🎗 🏚
864351	18.2 🗷 🍨	864546	825 ?	922259	4.99k ≈ ♠	864386	24.9k ₹ ♠
922283	49.9 ₹ ♠	922005	1k ₹ ♠	864491	5.11k ₹ ♠	864423	33.2k ₹ ♠
864503	56.2 ₹ ♠	864319	1.2k ₹ ♠	864520	6.81k ₹ ♠	922064	100k ≈ ♠
864298	100 ₹ ♠	922152	2k ₹ ♠	864554	9.09k ₹ ♠	864378	221k 欠 ♠
864335 864415	150 ₹ ♠	864360	2.21k ≈ ♠	922030	10k ₹ ♠	864431	332k ₹ ♠
864458	392 8 4	864394	2.94k ≈ ♠	864327	14k ≈ •	864440	357k ≈ ♠
864474	464 8 4	864407	3.01k ≈ ♠	864343	15k ≈ ♠	922099	1M ≈ ♠
864511	681 ₹ ♠	864466	4.53k ₹	922187	20k ₹ ♣	864301	1.1M ≈ ♠

5% Precision Thick Film Resistors

Case	Power	Max.	Overload		Dimensions (mm)			Temperature	Panasonic	
Size	Rating	RCWV	Voltage	L	W	a	b	t	Coefficient	Series No.
0402	1/16W	50V	100V	1	0.5	0.35	0.2	0.25	_	ERJ-2GEJ
0603	1/10W	50V	100V	1.6	8.0	0.45	0.3	0.3	<10Ω: -100ppm/°C ~ +600ppm/°C;	ERJ-3GEY
0805	1/8W	150V	200V	2	1.25	0.6	0.4	0.4	10Ω to 1MΩ: +/-200ppm/°C;	ERJ-6GEY
1206	1/4W	200V	400V	302	1.6	0.6	0.5	0.5	1MΩ>: -400ppm/°C ~ +600ppm/°C	ERJ-8GEY

Case Size 0603 (ERJ-3GEY Series)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
921601	0 ₽ ♠	864132	270 🕿 🍨	864108	2k ≈ ♠	864124	22k ₹ ♠
864095	1 ₹ ♠	864167	300 ₹ ♠	921811	2.2k ₹ ♠	864212	51k 🎗 🍨
864159	2.2 🏿 🛧	921889	330 ₹ ♠	864183	3.9k ₹ ♠	864247	62k ₹ ♠
921635	10 ≈ ♠	921918	470 欠 ♠	921942	4.7k ≈ ♠	921758	100k ₹ ♠
921854	33 ₹ ♠	864255	680 ₹ ♠	864239	5.6k ₹ ♠	864141	270k 🎗 🏚
864191	47 欠 ♠	864271	820 🎗 🍨	864263	6.8k ₹ ♠	864175	330k ₹ ♠
864221	56 ₹ ♠	921694	1k 欠 ♠	864280	8.2k ₹ ♠	921782	1M ≈ ♠
921977	75 🎗 🛧	864079	1.2k 欠 ♠	921723	10k ₹ ♠	864204	4.7M ≈ ♠
921660	100 ₹ ♠	864087	1.5k ₹ ♠	864116	20k ₹ ♠	864061	10M ₹ ♠

Case Size 0805 (ERJ-6GEY Series)

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
922312	10 ₹ ♠	922460	220 🎗 🏚	864626	2.4k ₹ ♠	864618	22k ₹ ♠
864597	18 ₹ ♠	864642	300 ₹ ♠	864634	2.7k ₹ ♠	864669	47k ≈ ♠
864685	56 ₹ ♠	922494	330 ₹ ♠	864651	3.3k ≈ ♠	864677	51k ≈ ♠
864706	68 ₹ ♠	922523	470 🗷 🛧	864714	6.8k ≈ ♠	864693	62k ≈ ♠
864722	75 ₹ ♠	922558	820 🗷 🛧	922401	10k ₹ ♠	922435	100k ₹ ♠
922347	100 ₹ ♠	922371	1K ≈ ♠	864589	16k ≈ ♠	864562	10M ≈ ♠
864571	150 ₹ ♠	864600	2.2k ₹ ♠				

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Power Resistors

10 Series Current Sense Axial-Lead Wire Element Resistor

- · Ideal for current sensing applications
- · 2W, 2 terminal, 1% tolerance
- Terminals: solder plated copper or copper clad steel
- · Encapsulation: silicon molding compound
- Derating: linearly from 100% @ 25°C to 0% @ 275°C
- · Power rating: based on 25°C free air rating
- Overload: 5 x rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000Vrms
- Insulation resistance: 1000MΩ
- Thermal EMF: ±2µV/°C
- Temp. range: -55°C to 275°C

Part No.	Product No.	Ohms	1	10	100
619516	12FR025	0.025Ω	\$1.69	\$1.61	\$1.54

20 Series Vitreous Enamel Conformal Axial-Lead Wire Wound Resistor

- · Ideal for computer, and industrial applications
- Vitreous enamel coatings withstands high humidity and temperature cycling
- · Coating: flame resistant lead free enamel coating
- Power: 3W
- Core: ceramic · Tolerance: 5%
- Terminal: solder coated
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
- · Power rating: based on 25°C free air rating
- Overload 5 x rated wattage for 5 seconds
- Temperature coefficient: ±30ppm/°C

Get It Straight!

Whether you're

prototyping, hand-

small run or repairing

inspects your work.

a machine-manufactured PC

board, appearance and reliability

are synonymous. Bent leads, odd-

leads all tell a story when someone

shaped-corners and corkscrew

A simple and very effective

hand tool can greatly enhance the

professional look of your PC board work. So consider a 'Lead bender' like the one on page 79. It's very easy to select the specific lead

separation you need. Just drop the device in the corresponding slot,

bend your leads down and insert

Practical Practices Money Saving Tips for the Engineer

the device in your board.

manufacturing a

Part No.	Product No.	Ohms	1	10	100
619541	23J56R 	56Ω	\$.99	\$.87	\$.76

40 Series OHMICONE®, Silicone-Ceramic Conformal Axial-Lead Wire Wound Resistors

- All welded construction
- Characterized by their low temperature coefficient & resistance shock
- · Applications: commercial, industrial, & communication
- Stability under high-temperature conditions
- · Coating: conformal silicone ceramic
- · Core: ceramic · Tolerance 5%
- · Terminals: solder coated, copper clad
- Derating: linearly from 100% @ 25°C to 0% @ 275°C
- Power rating: based on 25°C free air rating
- Overload: 5 x rated for under 5W; 10 x rated for 5W and over (for 5 seconds)
- Temperature coefficient: under $1\Omega = \pm 90 \text{ppm/}^{\circ}\text{C}$; over $10\Omega = \pm 20$ ppm/°C

Part No.	Product No.	Ohms 1	10	100
619559	40J50R ◆	50Ω/10W \$1.29	\$1.10	\$1.09
619567	43JR10	0.1Ω/3W 1.59	1.49	1.39

200 Series Brown Devil® Vitreous **Enamel Power Resistors**

- · Small, exceptionally durable
- · High-power ratings
- · Coating: lead free vitreous enamel
- Terminal: tinned axial lead · Core: ceramic
- Derating: linearly from 100% @ 25°C to 0% @ 350°C Tolerance: 5% Power: 8W
- · Power rating: based on 25°C free air rating
- Overload: 10 x rated wattage for 5 seconds
- Temperature coefficient: under $5\Omega = \pm 400 \text{ppm/}^{\circ}\text{C}$; over $5\Omega = \pm 260 \text{ppm/°C}$

Part No.	Product No.	Ohms	1	10	100
619604	B8J1K0♠	1kΩ	\$2.49	\$2.29	\$1.96
619612	B8J1R5♠	1.5Ω	3.59	3.21	2.67

250 Series "Thin" Stockholm® Vitreous **Enamel Power Resistors**

- · Small size-topower ratio
- . Stackable
- · Integral mounting bracket conducts heat to mounting surface
- · Coating: lead free vitreous enamel
- · Core: ceramic · Tolerance: 5%
- · Terminals: tinned lug with hole
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
- · Power rating: based on mounting a single resistor on metal. Reduce rating by 15% when mounting on non-metallic surface
- Overload: 5 x rated wattage for 5 seconds Temperature coefficient: ±260ppm/°C
- Dielectric withstanding voltage: 1000VAC

Part No.	Product No.	Ohms	1	10	100
619639	F40J25R ♠	25Ω/40W \$9.5	55	\$8.99	\$8.77
619647	F55J10K ♠	10kΩ/55W 13.9	95	11.79	9.07

270 Series Vitreous Enamel Power Resistors

· Terminals suitable for soldering or bolt connection



- · High-wattage applications
- · Core: tubular ceramic
- Coating: lead free vitreous enamel
- Terminals: solder coated radial lug
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
 Tolerance: 5% • Power: 25W
- Tolerance: 5%
- · Power rating: based on 25°C free air rating
- Overload: 10 x rated wattage for 5 seconds
- Temperature coefficient: ±400ppm/°C
- Dielectric withstanding voltage: 1000VAC

Part No.	Product No.	Ohms	1	10	100
619655	L25 J2R0♠	20	\$5.49	\$3.88	\$3.15

OX Series Ceramic Composition Resistors

- · High-peak power
- Replaces 1 & 2 watt carbon composition resistors
- · Meets high energy density demands
- Power: 1W Tolerance: ±10%
- · Terminals: solder coated axial leads
- · Coating: UL94V-0 approved silicone
- Derating: linearly from 100% @ 70°C to 0% @ 200°C
- Power rating: based on 70°C free air rating
- Temperature coefficient: -1300 to 300ppm/°C
- Working voltage: 300V
- Dielectric strength: 500V
- Max. overload voltage: 600V

Part No.	Product No.	Ohms	1	10	100
619663	OX150K♠	15Ω	\$.95	\$.85	\$.75
619680	OX390K ◆	39Ω	95	.85	.75

Thru-Bolts & Mounting Brackets for 210 & 270 Series

- · Steel plated brackets allow for secure mounting of 210 and 270 type resistors
- Thru-bolts, centering washers & insulating washers included
- For 175W single resistor

Part No.	Product No.	Description	1	10	100
619583	6110-8½ ♠	Slotted \$1	0.09	\$8.28	\$6.90

Mounting Brackets

- · Fits inside cores of 200, 210, & 270 type resistors
- Steel plated
- For 8 & 12 Watt

Part No.	Product No.	Description	1 10	100
619575	5-100	Slotted \$29.99	9 \$28.95	\$27.49

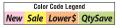
See Complete Ohmite Offering at www.Jameco.com/Prod/Ohmite

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 $50k\Omega = 503$ 100kQ __ 104

 $250k\Omega = 254$

 $500k\Omega = 504$

 $1M\Omega = 105$

 $2M\Omega = 205$

 $5M\Omega = 505$

286767

RV4N Style 2-Watt Linear Taper (±10%)

- · Shaft diameter: 0.25"
- · Shaft length: 0.875"
- 2W @ 70°C ambient
- Temp. range: -55°C to +120°C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"



Includes: Mounting hardware

Qty.	1	10	25	50
Price	\$7.39	\$6.54	\$5.45	\$5.20
Part No.	Product No.	Military	No.	Ohms
241568	53C3-100	RV4NA	/SD101A	100
241584	53C3-250	RV4NA	/SD251A	250
183610	53C3-500	RV4NA	/SD501A	500
13936	53C3-1k	RV4NA	/SD102A	1k
241613	53C3-2k	RV4NA	/SD202A	2k
241621	53C3-2.5k	RV4NA	/SD252A	2.5k
13995	53C3-5k	RV4NA	/SD502A	5k
13952	53C3-10k	RV4NA	/SD103A	10k
241648	53C3-15k	RV4NA	/SD153A	15k
241656	53C3-20k	RV4NA	/SD203A	20k
241664	53C3-25k	RV4NA	/SD253A	25k
95417	53C3-50k	RV4NA	/SD503A	50k
13979	53C3-100k	RV4NA	/SD104A	100k
241681	53C3-250k	RV4NA	/SD254A	250k
241699	53C3-350k	RV4NA	/SD354A	350k
241728	53C3-1Meg	RV4NA	/SD105A	1M



1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- · Shaft length: 0.335'
- · Shaft diameter: 0.250"
- · Terminal type: solder lugs

- Blue Part No. = Limited Quantity Available

1 10



100

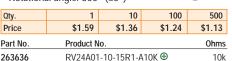
Price	\$1.59	\$1.36	\$1.24	\$1.13
Part No.	Product N	lo.		Ohms
263759	RV24A01	I-10-15R1-I	3500 ⊕	500
263768	RV24A01	I-10-15R1-I	31K 🕿	1k
263775	RV24A01	I-10-15R1-I	32.5K ⊕ ⊙	2.5k
263784	RV24A01	I-10-15R1-I	35K ₹	5k
263792	RV24A01	I-10-15R1-I	310K 🕿	10k
263813	RV24A01	I-10-15R1-I	350K 🕿	50k
263822	RV24A01	I-10-15R1-I	3100K 2	100k
263840	RV24A01	I-10-15R1-I	3250K 🕿	250k
263848	RV24A01	IF-10-15R1	-B55 %	500k



1/4-Watt 24mm Audio Taper with SPST Switch (±20%)

263601

- · Shaft length: 0.590"
- Voltage rating: 250V
- Shaft diameter: 0.250"
- · Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)





1	10	100	500
\$1.59	\$1.36	\$1.24	\$1.13
Product N	Ohms		
RV24A01	10k		
RV24A01	50k		

1/2-Watt 24mm Linear Taper (±20%)







1	
أفصر	
1.32	2"L

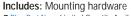
29081

- · Maximum voltage: 500V Rotational angle: 300° (±5°)
 Solder lugs
- Withstanding voltage for 1 minute: 500VAC

	······································						
Part Number	RV24A-10-15R1-Bxxx	RV24A-10-20K-Bxxx	RV24A-10-40R1-Bxxx				
Shaft Length	0.335"L ⊕	0.531"L ⊕	1.32"L ⊕				
1 pc.	\$1.19	\$1.19	\$1.15				
10 pcs.	\$0.91	\$0.91	\$0.95				
100 pcs.	\$0.83	\$0.83	\$0.86				
500 pcs.	\$0.76	\$0.76	\$0.79				

1/2-Watt Linear Taper (±10%)

- Temperature range: -55°C to +125°C
- Non-rotational key
- Non-slotted shaft end
- · Mounting hole: 0.3125'
- · Maximum panel thickness: 0.1875"
- · Shaft diameter: 0.25" · Shaft length: 0.50"



Qty.			1		10		100		500
Price		\$.	.99		\$.79		\$.65		\$.55
Part No	Cro	oss Ref. No.	Ohr	ns	Part No	0	Cross Ref	. No.	Ohms
29050	P1	K 🎗		1k	29103		P100K ₹	ı	100k
29196	P5	K ⊕		5k	29066		P1MEG #	2	1M
29081	P1	0K ⊕ o	1	0k					



1/4-Watt 24mm Audio Taper (±20%)

255397

- · Shaft length: 0.335'
- Maximum voltage: 250V Shaft diameter: 0.250"
- Terminal type: solder lugs
- Rotational angle: 300° (±5°)
- Insulation resistance: >100MΩ @ 500VDC
- Blue Part No. = Limited Quantity Available

Qty.	1	10	100	500		
Price	\$1.19	\$.91	\$.83	\$.76		
Part No.	Product N	lo.		Ohms		
255417	RV24A-1	RV24A-10-15R1-A5K ⊕ 🌣				
255425	RV24A-1	RV24A-10-15R1-A10K ⊕ 🌣				
255434	RV24A-1	RV24A-10-15R1-A50K ₹				
255441	RV24A-1	100k				
255451	RV24A-1	500k				
255469	RV24A-1	0-15R1-A1I	M ?	1M		
	4 /F \N/-	11.47	1			



1/5-Watt 16mm Linear Taper, Single Detent

- · Shaft length: 0.335" · Center detent
- Rated voltage: 200V
- · Shaft diameter: 0.250"
- Total rotation angle: 300° (±5°) Rotation life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- · Withstanding voltage: 500VAC for 1 minute

Price	\$1.35	\$1.13	\$1.04	\$.94
Part No.	Product N	0.		Ohms
286353	RV16A-10-15R1-B1K-OC ₹			1k
286388	RV16A-10-15R1-B10K-0C ₹			10k
286408	RV16A-1	0-15R1-B5	OK-OC ⊕	50k
286417	RV16A-1	100k		



1/5-Watt 16mm Linear Taper (\mathbf{a}) with SPST Switch (±20%)

 $500\Omega - 501$

 $1k\Omega - 102$

 $2k\Omega$ — 202

 $2.5k\Omega - 252$

 $5k\Omega - 502$ $10k\Omega - 103$

 $25k\Omega = 253$

· Shaft length: 0.374"

To order, replace "xxx"

in the Part No with

the value to the

0.531"L Shaft).

right (e.g. - order

RV24A-10-20K-B503

for a 50k Ω Alpha with

- Rated voltage: 200V
- Shaft diameter: 0.250"
- Total rotation angle: 270° (±5°)
- Rotation life: 100,000 cycles
- · Switch life: 10,000 times · Terminal type: PC terminal
- (vertical: back)
- Insulation resistance: >100M Ω @ 500VDC
- Switch contact resistance: $<100m\Omega$
- · Switch rating: 250VAC 10A

ı	Qty.	1	10	100	500	
	Price	\$2.25	\$1.90	\$1.73	\$1.57	
	Part No.	No. Product No.				
	286767	RV16C-4	RV16C-40-16F1-B5K ₹ RV16C-40-16F1-B10K ₹			
	286775	RV16C-4				
	286791	RV16C-4	500k			



500

1/8-Watt 16mm Linear Taper

286062

500

\$.70

- · Shaft length: 0.531'
- Rated voltage: 200V
- Shaft diameter: 0.250"
- Rotational angle: 300° (±5°)
- · Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100M Ω @ 500VDC • Tolerance: $<1M\Omega \ (\pm 20\%); \ge 1M\Omega \ (\pm 30\%)$
- · Dielectric strength: 500VAC for 1 minute
- 10 \$1.19 \$1.00

	The state of the s	
Part No.	Product No.	Ohms
286193	RV16A-10-20R1-B5K ≉	5k
286206	RV16A-10-20R1-B10K ≉	10k
286213	RV16A-10-20R1-B50K ⊕	50k
286855	RV16A-10-20R1-B100K ≉	100k
286222	RV16A-10-20R1-B500K ₹	500k
286231	RV16A-10-20R1-B1M ₹	1M

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



263645

Linear Taper, Linear, Cermet & Trimming Pots



1/5-Watt 16mm **Linear Taper**

· Shaft length: 0.335' Rated voltage: 200V Shaft diameter: 0.250"

Rotation angle: 300° (±5°) · Rotational life: 15,000 cycles

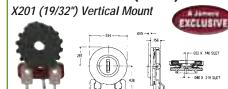
· Insulation resistance: >100MΩ @ 500VDC

286256

· Withstanding voltage: 500VAC for 1 minute

Qty.	1	10	100	500		
Price	\$1.15	\$1.00	\$.87	\$.80		
Part No.	Product N	lo.		Ohms		
286249	RV16A-1	0-15R1-B1	(2	1k		
286256	RV16A-1	RV16A-10-15R1-B2K ⊕				
286265	RV16A-1	RV16A-10-15R1-B5K ≉				
286273	RV16A-1	10k				
286282	RV16A-1	RV16A-10-15R1-BF4 ≉				
286300	RV16AF-	RV16AF-10-15R1-B54 ₹				
286302	RV16A-1	0-15R1-B1	5 %	100k		
286310	RV16A-1	RV16A-10-15R1-B250K ⊕				
286329	RV16A-1	RV16A-10-15R1-B55 ≉				
286337	RV16A-1	0-15R1-B1	M 2	1M		





1/4-Watt Miniature

Linear (±20%)

15mm thick Power rating:

below 5kΩ - 1/4 watt @ 40°C

Equivalent to: $5k\Omega$ & above – 1/4 watt @ $55^{\circ}C$ Bourns Total rotation: 260° ±5° PIHER · Voltage rating: 350VDC

Price \$.45 \$.39 \$.35 \$.29 Part No. Cross Ref No. Ohms Part No. Cross Ref No. Ohms 94692 X201R1K ⊕ 1k 94714 X201R10K ₹ 10 bot 35502 X201R25E ⊕ 2.5k 94721 X201R55K ⊕ 5bot	Qty.			1	10	100		500
94692 X201R1K ⊕ 1k 94714 X201R10K ₹ 10k 35502 X201R252B ⊕ 2.5k 94721 X201R50K ⊕ 50k	Price		\$.4	5	\$.39	\$.35		\$.29
35502 X201R252B ⊕ 2.5k 94721 X201R50K ⊕ 50k	Part No.	С	ross Ref No. (Ohms	Part No	Cross Re	f No.	0hms
	94692	Х	201R1K ⊕	1k	94714	X201R10	K Z	10k
DATOE VOOLDEN (A) EL DATOS VOOLDESON (A) A OOL	35502	X	201R252B ⊕	2.5k	94721	X201R5	0K ⊕	50k
94705 X201R5K ⊕ 5k 94730 X201R100K ⊕ 100k	94705	X	201R5K ↔	5k	94730	X201R10	0K 🕀	100k

2-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10°C to +70°C
- Shaft diameter: 0.25"
- · Mounting hole: 0.375"
- Non-rotational key Length: 0.825"

Base length: 0.25'

123959

includes:	iviounting nai	uware			
Part No.	Cross Ref. No.	Ohms 1	10	100	500
123959	PT1K ⊕	1k \$3.2 9	\$2.99	\$2.65	\$2.39
123967	PT5K ⊕	5k 3.2 9	2.99	2.65	2.39



5-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10°C to 70°C
- · Shaft diameter: 0.23" (6mm)
- · Shaft length: 0.67" except P/N 140522 (0.25")
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1

Includes: Mounting hardware



140514

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140514	PW5B100 ₹	100	\$2.79	\$2.35	\$2.25	\$2.10
140522	PW5B500 ≉	500 .	2.79	2.35	2.25	2.10



2-Watt Linear Taper Wire Wound (10-turn)

- · Resistance tolerance: ±10%
- · 10-turn; wirewound
- · Load life: 1000 hours, 2W
- · Insulation resistance: (500VDC) 1000M Ω minimum
- Absolute minimum resistance: 1Ω or 0.1% maximum

Part No. Product No. Ohms 10 183548 3540S-1-502 5k ... **\$12.79** \$12.35 \$12.26 183521 10k ... **12.99** 12.79 12.59



183548

3329P-104

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%) Cross Ref. Chart

Equivalent to:

Cross Ref. Chart

Equivalent to:

89PR

3006P

6034Y

8034

2101P

961-20

43P

Allen Bradley

Beckman

Mepcopal

Murata

VRN

Spectrol

Bourns

Litton

F2B

72PR

3386P

8038

3104P

780-12P

63P

Allen Bradley

Beckman

Bourns

Murata

VRN

Weston

Spectrol

- Top adjustment 1/2 watt linear taper @ 70°C
- PC pins: 0.100"
- arid (2.54mm) Temperature range: 42964
- -55°C to +125°C Sealed to guard against contaminants

Pin spacing: 0.1" († 43060 & 105216: 0.2")

•									
Qty.			1		10		100)	500
Price		\$.	85		\$.79		\$.69)	\$.49
Part No.	Cr	ross Ref No.	Oh	ms	Part No).	Cross	Ref No.	Ohms
43123	63	3P500	5	00	43107	,	63P5	0K	50k
42964	63	3P1K		1k	43027	,	63P10	00K	100k
43043	63	3P2K		2k	43060)	63P30	00K †	300k
43078	63	3P5K		5k	63212	2	63P50	00K	500k
43001	63	3P10K	1	0k	42981		63P1N	ЛEG	1M
43051	63	3P20K	2	:0k	10521	6	63P2N	ΛEG †	2M

3/4-Watt, 3/4" Rectangular

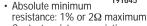
15-Turn Linear Cermet (±10%) 1/2-Watt Trimming Potentiometers (±10%)

10k

1M

3362P Series

- · Linear taper
- · Insulation resistance: 500VDC 1,000M Ω minimum



- Contact resistance variation: 1% or 3Ω maximum
- Rota • Term
- Top
- Wipe

0

or oll maximum.	(.100) [
ational life: 200 cycles	1 1	3.53
ninals: solderable pins		L <u>3.53</u> (.139)
adjustment: 240° nominal	4 4 4	
er positioning: 50% nominal		
Part No. = Limited Quantity Available		

O Blue Par	rt No	o. = Limited Q	uan	tity /	Available		
Qty.			1		10	100	500
Price		\$.6	9		\$.62	\$.47	\$.42
Part No.	С	ross Ref No.	Ohr	ns	Part No	. Cross Ref	No. Ohms

Part No.	Cross Ref No. Ohms	Part No.	Cross Ref No. (
191645	3362P-200 ₹ 20	182836	3362P-103 ⊕ ⊙
182810	3362P-501 ⊕ 500	182852	3362P-105 ⊕
182828	3362P-502 ⊕ 5k		

Cross Ref. Chart

254 원자계

Cross Ref. Chart

100

3355X

Equivaler	nt to:	
Bourns	3362P	
Copal	CT-6P	
Murata	PVC6	
Vishav	76	

• PC pins: 0.100" grid (2.54mm) Side adjustment

- Temperature range: -55°C to +125°C
- Sealed to guard against contaminants

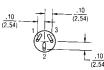
Drico \$1.05 \$00 \$00 \$7	Qty.	1	10	100	500
FILE \$1.00 \$.77 \$.07 \$.7	Price	\$1.05	\$.99	\$.89	\$.75

Cross Rei No.	Unms
43P201 ⊕	200
43P500 ⊕	500
43P1K	1k
43P2K	2k
43P5K	5k
43P10K	10k
	43P500 ⊕ 43P1K 43P2K 43P5K

S	Part No.	Cross Ref No.	Ohms
0	41873	43P20K	20k
0	41911	43P50K	50k
k	41849	43P100K	100k
k	63001	43P200K ⊕	200k
k	41806	43P1MEG	1M
k			

1/2-Watt, 1/4" Round, **Cermet Potentiometers (±10%)**

3329P Series



Cross Ref. Chart Equivalent to: 82M **Beckman** Bourns Мерсора 8050 Murata 3321P Spectrol VRN 62-3 171

· Sealed to withstand wave soldering and immersion cleaning process

- Extended temperature range:

Extended Con--55°C to +150°C
TO 5 grid • Top adjustment Terminals: solderable pins



Otv

254538

Qty.			1		10		100		500
Price		\$1.8	39		\$1.59		\$1.29	\$	1.19
Part No.	Cr	ross Ref No.	Oh	ms	Part N	0.	Cross Re	f No.	Ohms
95441	33	329P-102 €)	1k	96719	9	3329P-	103	10k

JAMECO 1/2-Watt, 1/4" Round, Cermet Potentiometers (±10%)

Bourns 3329P Series Value Equivalents

· Sealed to withstand wave soldering and immersion cleaning process



Extended temperature range: -55°C to +150°C Top adjustment

 TO-5 grid · Terminals: solderable pins

Blue Part No. = Limited Quantity Available

3329P-103 ⊕ **⊙** 10k

3329P-203 ⊕

ı	Qty.						10		50		100
	Price		\$1.	69		9	1.53		\$1.29	\$	1.21
	Part No.	Cro	oss Ref No.	Oh	ms	l	Part N	0.	Cross Ref	No.	Ohms
	254490	33	29P-102 ⊕		1k		25455	54	3329P-50	13 ↔	50k
	254502	33	29P-202 🕀		2k		25456	51	3329P-10)4 ↔	100k
l	254511	33	29P-502 ⊕	0	5k		25457	70	3329P-20)4 ⊕	200k

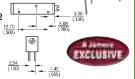
95450 3329P-502 ⊕ 5k **95484** 🗷 RoHS compliant product 🛮 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. 3329P-105 ↔

100

3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Potentiometer Side Adjustment (±10%)

Bourns 3006P Series Value Equivalents

- · Low PC board profile
- Temperature range:
- -55°C to 125°C
- Absolute minimum resistance: 1% or 2Ω
- Contact resistance variation: 1% or 1Ω maximum
- Power rating: 0.75W @ 70°C



(400V maximum) Blue Part No. = Limited Quantity Available

Qty.			1			10		50		100	l
Price		\$1	.25		,	\$1.15		\$.99		\$.89	
Part No.	Cro	oss Ref No.	Ohi	ms		Part N	0.	Cross Ref	No.	Ohms	

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
241234	3006P-101 ↔	100	241306	3006P-203 ⊕	20k
241242	3006P-201 ↔	200	241314	3006P-253 ⊕	25k
241251	3006P-501 ↔	500	241322	3006P-503 ⊕	50k
241269	3006P-102 ↔	1k	241331	3006P-104 ↔	3 100k
241277	3006P-202 ↔	2k	241350	3006P-204 2	200k
241285	3006P-502 ↔	≎ 5k	241365	3006P-504 ⊕	500k
241293	3006P-103 ↔	3 10k	241373	3006P-105 ⊕	1M



1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment (±10%)

EXCLUSIVE

Bourns 3266W Series Value Equivalents

- · Resistance tolerance: ±10%
- · 12 turns nominal
- Insulation resistance: (500VDC) 1,000M Ω minimum
- Contact resistance variation: 3% or 3 Ω maximum
- (whichever is greater) Absolute min. resistance:
- 1% or 2Ω maximum (whichever is greater)
- Power rating: 0.25W @ 70°C (300V maximum) Blue Part No. = Limited Quantity Available

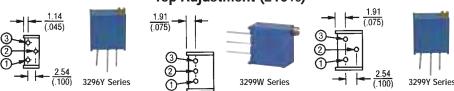
Qty				1		10		50		100
Pri	ce		\$2.2	9		\$1.99		\$1.93	\$	31.83
Part	No. (Cross Ref	No. (Ohms	<u> </u>	Part N	0.	Cross Ref	No.	Ohms
254	609	3266W-50	00 ↔	50	5	25468	34	3266W-20	ევ 🕀	20k
254	617	3266W-10	01 ↔	100		25469	2	3266W-25	53 ↔	25k
254	625	3266W-20	01 ↔	200		25470	16	3266W-50)3 %	50k
254	633	3266W-50	01 ↔	500		25471	4	3266W-10)4 %	100k
254	641	3266W-10)2 🕀 🕻	1 k		25472	1	3266W-20)4 ⊕	200k
254	651	3266W-20	022	2k		25473	0	3266W-50)4 ⊕	500k
254	668	3266W-50	ງ2 🕀 🕻	5 k		25474	8	3266W-10	ე5 ↔	1M
254	676	3266W-10	ევ ⊕	10k						

Pocket Trimmer Potentiometer Adjustment Tool

- · Glass-filled body
- Stainless steel blade · Size: 5.2"L
- Part No. 100 153314 Trimmer tool ⊕ \$1.35 \$1.22 \$1.09

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers, **Top Adjustment (±10%)**



To order, replace

"xxx" in the Part No.

with the value to the

for a 50kΩ ValuePro

right (e.g. - order

Series 3296Y).

3296Y-503

3296Y/3299Y - Y Layout Solder Pins and 3299W - In-Line Solder Pins

- Resistance tolerance: ±10%
- 25 turns nominal
- Insulation resistance: (500VDC) 1000M Ω min.
- Contact resistance variation: 1% or 3Ω max. Absolute minimum resistance: 1% or 2Ω max.
- Power rating: 0.5W @ 70°C (300V max.)

Attention Budget-Minded Buyers!

Jameco now offers high-quality Bourns® equivalents below, and they're priced to save you money. You'll get consistent form, fit and function, without paying the added

surcharge for brand name components

rianne connp	Officials.		100
Series	3296Y ⊕	3299W ⊕	3299Y ⊕
Part Number	3296Y-xxx	3299W-xxx	3299Y-xxx
1 pc.	\$1.69	\$1.99	\$1.99
10 pcs.	\$1.56	\$1.82	\$1.82
100 pcs.	\$1.42	\$1.53	\$1.53
500 pcs.	\$1.28	\$1.35	\$1.35

$5k\Omega - 502$ Bourns® Potentiometers

Jameco now offers a broad selection of industryrenowned Bourns multi-turn potentiometers below. They're ideal for integration into devices requiring high-precision pots.

 $10\Omega - 100$

 $20\Omega - 200$

 $50\Omega - 500$

 $100\Omega - 101$

 $200\Omega - 201$

 $500\Omega - 501$

 $1k\Omega - 102$

 $2k\Omega - 202$



 $10k\Omega - 103$

 $20k\Omega - 203$

 $25k\Omega - 253$

 $50k\Omega - 503$

100kΩ — 104

 $250k\Omega - 254$

 $500k\Omega - 504$

 $1M\Omega - 105$

 $2M\Omega - 205$

	_		_
Series	3296Y ⊕	3299W ⊕	3299Y ⊕
Part Number	3296Y-1-xxx	3299W-1-xxx	3299Y-1-xxx
1 pc.	\$1.99	\$2.39	\$2.39
10 pcs.	\$1.85	\$2.25	\$2.19
100 pcs.	\$1.66	\$1.99	\$1.79
500 pcs.	\$1.49	\$1.79	\$1.59

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers

Bourns 3362 Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ
- Absolute minimum resistance: 1% or 2Ω (whichever is greater)
- Contact resistance variation: 1% or 3Ω max. (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)

To order, replace "xxx" in the Part No. with the value to the right (e.g. – order 3362P-506	100Ω - 101 $200Ω - 201$ $500Ω - 501$ $1kΩ - 102$ $2kΩ - 202$	20kΩ - 203 $25kΩ - 253$ $50kΩ - 503$ $100kΩ - 104$ $200kΩ - 204$
for a 50kΩ ValuePro	$5k\Omega - 502$	500kΩ — 504
Series 3362P).	$10k\Omega - 103$	1MΩ — 105







3362W Series Side Adjustment

Series	3362P ⊕	3362W ⊕
Part Number	3362P-xxx	3362W-xxx
1 pc.	\$0.59	\$0.59
10 pcs.	\$0.55	\$0.54
100 pcs.	\$0.45	\$0.45
500 pcs.	\$0.42	\$0.41

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers

EXCLUSION.

Bourns 3386 Series Value Equivalents

- Resistance tolerance: +10%
- Insulation resistance: (500VDC) 1,000M Ω min.
- Absolute minimum resistance: 2Ω
- Contact resistance variation: 2% or 3Ω max. (whichever is greater)

To order, replace	$50\Omega - 500$	25kΩ <u> </u>
"xxx" in the Part No	100Ω — 101	50kΩ 503
with the value to the	200Ω — 201	100kΩ — 104
right (e.g. – order	500Ω — 501	200kΩ <u> </u>
3386P-503	1kΩ — 102	250Ω — 254
for a 50kΩ ValuePro	2kΩ — 202	500kΩ — 504
Series 3386P).	5kΩ — 502	1MΩ 105
001103 00301).	10kΩ 103	2MΩ — 205
	20kO 203	









3386P Series Top Adjustment

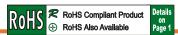
3386W Series Side Adjustment

3386X Series Side Adjustment

Series	3386P ⊕	3386W ⊕	3386X ⊕
Part Number	3386P-xxx	3386W-xxx	3386X-xxx
1 pc.	\$0.85	\$0.89	\$0.85
10 pcs.	\$0.76	\$0.79	\$0.76
100 pcs.	\$0.67	\$0.69	\$0.67
500 pcs.	\$0.64	\$0.65	\$0.64

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product

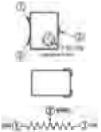




4mm Square SMD, Multi-Turn Sealed Cermet **Trimming Top Adjust (±10%)**

3224W Series, 1/4W

- · Resistance tolerance: +10%
- 11 turns nominal
- · Insulation resistance: (500VDC) $100M\Omega$ min.
- · Contact resistance variation: 1% or 3Ω max.
- · Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 85°C (300V max.)



Qty.		10	50	100
Price	\$3.79	\$3.29	\$2.89	\$2.59
Dt N.	Donatora	N.		01
Part No.	Product	NO.		Ohms
696239	3224W	-1-101E 		100
696271	3224W	-1-201E ◆		200
696301	3224W	-1-501E ◆		500
696247	3224W	-1-102E ◆		1k
696280	3224W	-1-202E ◆		2k
696319	3224W	-1-502E ◆		5k
696255	3224W	-1-103E ◆		10k
696298	3224W	-1-203E ◆		20k
696327	3224W	-1-503E ◆		50k
696263	3224W	-1-104E ◆		100k

3214W Series, 1/4W

- · Resistance tolerance: ±10%
- 15 turns nominal
- Insulation resistance: (500VDC) 100M Ω min.
- Contact resistance variation: 1% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 85°C (300V max.)

Qty.	1	10	50	100				
Price	\$3.79	\$1.99	\$1.69	\$2.59				
Part No.	Produc	t No.		Ohms				
696191	3214V	V-1-201E ♠		200				
696167	3214V	3214W-1-102E ◆						
696204	3214V	V-1-202E ≈ ♠		2k				
696221	3214V	V-1-502E ♠		5k				
696175	3214V	3214W-1-103E ₹ ♠						
696212	3214V	3214W-1-203E ♠						
696183	3214V	3214W-1-104E ◆						

3/4" Rectangular, Multi-Turn Sealed Cermet **Trimming Side Adjust (±10%)**

3009P Series - 3/4W, Y-layout solder pins

- Resistance tolerance: ±10%
- 15 turns nominal
- · Insulation resistance: $100M\Omega$ min. (500VDC)
- · Contact resistance variation: 1% or 1Ω max.
- Absolute min. resistance: 1% or 2Ω max.

- I OWEI	rating. 0.75W	10 0 (4001	iian.)	
Part No.	Product No.	Ohms	1	10	50
696124	3009P-1-103 ♠	10k	\$1.95	\$1.79	\$1.75



• Power	rating: 0.75W @	70°C	(400V)	nax.)	
Part No.	Product No.	Ohms	1	10	50
696124	3009P-1-103 ♠	10k	\$1.95	\$1 79	\$1.75

3/4" Rectangular Multi-Turn Cermet Trimming Side Adjustment (±10%)

For more Bourns Potentiometers visit www.Jameco.com

3006P Series, 3/4W, Y Layout Solder Pins

- · Resistance tolerance: ±10%
- 15 turns nominal
- Insulation resistance: (500VDC) 1,000M Ω min.
- Contact resistance variation: 1% or 1Ω max.
- · Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.75W @ 70°C (300V max.)

Qty.	1	10	50	100
Price	\$1.49	\$1.35	\$1.25	\$1.09
Part No.	Product	No.		Ohms
695990	3006P-	1-101♠		100
696044	3006P-	1-201♠		200
696087	3006P-	1-501♠		500
696001	3006P-	1-102		1k
696052	3006P-	1-202♠		2k
696095	3006P-	1-502♠		5k
696010	3006P-	1-103		10k
696061	3006P-	1-203		20k
696108	3006P-	1-503♠		50k
696028	3006P-	1-104		100k
696079	3006P-	1-204♠		200k
696116	3006P-	1-504♠		500k
696036	3006P-	1-105♠		1M

1/4" Rectangular, Multi-Turn Sealed Cermet **Trimming Top Adjust (±10%)**

3262W - 1/4W, Y-layout solder pins

- · Resistance tolerance: ±10%
- 12 turns nominal
- Insulation resistance: 1000M Ω min. (500VDC)
- Contact resistance variation: 1% or 1 Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 85°C

Part No. Product No. Ohms	1	10

3262W-1-103 ★ 10k ... \$11.95 \$11.19 \$10.23

1/4" Square SMD, Multi-Turn Sealed Cermet **Trimming Top Adjust (±10%)**

3269P Series - 1/4W, 1/4" square SMD

- Resistance tolerance: +10%
- 12 turns nominal
- Insulation resistance: 1000M Ω min. (500VDC)
- Contact resistance variation: 3% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 85°C (300V max.)

Part No.	Product No.	Ohms	1	10	50
696554	3269P-1-103♠	10k	\$3.15	\$3.02	\$2.88



1/4" Square, Multi-Turn **Trimming Side** Adjustment (±10%)

- 1/4 Watt
- Resistance tolerance: ±10%
- Y-layout solder pins
- · Sealed cermet
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000M Ω min.



3266X

- Contact resistance variation: 3% or 3Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.25W @ 70°C (300V max.)

Qty.	1	10	50	100
Price	\$2.79	\$2.39	\$2.32	\$2.24

3266X S	eries
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Part No.	Product	No.		Ohms		
696520	3266X-	1-501♠		500		
696474	3266X-	1-102♠		1k		
696503	3266X-	1-202♠		2k		
696538	3266X-	1-502♠		5k		
696482	3266X-	1-103		10k		
696511	3266X-	1-203♠		20k		
696546	3266X-	1-503♠		50k		
696491	3266X-	1-104♠		100k		
Qty.	1	10	50	100		
Price	\$2.85	\$2.45	\$2.32	\$2.24		

3266W Series

Part No.	Product No.	Ohms
696343	3266W-1-101 ♠	100
696394	3266W-1-201 ♠	200
696431	3266W-1-501♣	500
696351	3266W-1-102♠	1k
696407	3266W-1-202♠	2k
696440	3266W-1-502 ◆	5k
696360	3266W-1-103♠	10k
696415	3266W-1-203♠	20k
696458	3266W-1-503 ◆	50k
696378	3266W-1-104♠	100k
696423	3266W-1-204♠	200k
696466	3266W-1-504 ◆	500k
696386	3266W-1-105 ♠	1M

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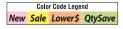


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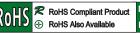
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RoHS Compliant Product → RoHS Also Available

Color Code Legend New Sale Lower\$ QtySave

2200 Series Equivalents (Continued)





L (μH) IDC max. DCR max. Lead Lead

• DC - DC converter, EMI filter applications • Low radiation · Low core loss · Low cost · High current capacity

- Operating temperature: -55°C to +105°C
- V = vertical mount; H = horizontal mount

2100 Series Equivalents Cross

• See technical datasheets on www.Jameco.com for complete specifications





Horizontal Vertical

Pricing

	Cross		IDC max.	DCR max.	Lead	Lead		Pricing	
Part No.	Ref. No.	@ 1kHz	(A)	(Ω)	Spa. (in)	Dia. (in)	1	10	100
371311	2206-V 🟵	27.0	9.8	0.011	0.46	0.053	\$2.15	\$1.31	\$.93
371071	2206-H ⊕	27.0	9.8	0.011	0.88	0.053	2.15	1.31	.93
371320	2207-V ⊕	33.0	7.4	0.020	0.45	0.042	2.15	1.31	.93
371080	2207-H ⊕	33.0	7.4	0.020	0.87	0.042	2.15	1.31	.93
371338	2208-V ⊕	39.0	7.1	0.022	0.45	0.042	2.15	1.31	.93
371098	2208-H ⊕	39.0	7.1	0.022	0.87	0.042	2.15	1.31	.93
371346	2209-V ⊕	47.0	6.7	0.024	0.45	0.042	2.15	1.31	.93
371101	2209-H ⊕	47.0	6.7	0.024	0.87	0.042	2.15	1.31	.93
371354	2210-V ⊕	56.0	6.4	0.026	0.45	0.042	2.15	1.31	.93
371119	2210-H ⊕	56.0		0.026	0.87	0.042	2.15	1.31	.93
371362	2211-V ⊕	68.0	4.9	0.046	0.44	0.034	2.15	1.31	.93
371127	2211-H ⊕	68.0	4.9	0.046	0.86	0.034	2.15	1.31	.93
371371	2212-V ⊕	100.0	4.4	0.056	0.44	0.034	2.15	1.31	.93
371135	2212-H ⊕	100.0	4.4	0.056	0.86	0.034	2.15	1.31	.93
371389	2213-V ⊕	120.0	3.3	0.098	0.44	0.027	2.15	1.31	.93
371143	2213-H ⊕	120.0	3.3	0.098	0.86	0.027	2.15	1.31	.93
371397	2214-V 🕀	150.0	3.1	0.11	0.44	0.027	2.15	1.31	.93
371151	2214-H ⊕		3.1	0.11	0.86	0.027	2.15	1.31	.93
371400	2215-V ⊕	180.0	3.8	0.075	0.48	0.034	2.15	1.31	.93
371160	2215-H ⊕	180.0	3.8	0.075	0.90	0.034	2.15	1.31	.93
371418	2216-V 🕀	220.0	3.6	0.083	0.48	0.034	2.15	1.31	.93
371178	2216-H ⊕	220.0	3.6	0.083	0.90	0.034	2.15	1.31	.93
371426	2217-V ⊕	270.0	3.4	0.092	0.48	0.034	2.35	1.45	1.03
371186	2217-H ↔	270.0	3.4	0.092	0.90	0.034	2.35	1.45	1.03
371434	2218-V 🕀	330.0	3.3	0.10	0.48	0.034	2.35	1.45	1.03
371194	2218-H ⊕	330.0	3.3	0.10	0.90	0.034	2.35	1.45	1.03
371442	2219-V ⊕	390.0		0.18	0.46	0.027	2.35	1.45	1.03
371207	2219-H ⊕	390.0	2.5	0.18	0.88	0.027	2.35	1.45	1.03
371451	2220-V ⊕	470.0		0.19	0.46	0.027	2.35	1.45	1.03
371215	2220-H ⊕	470.0	2.3	0.19	0.88	0.027	2.35	1.45	1.03
371469	2221-V ⊕		2.2	0.21	0.46	0.027	2.35	1.45	1.03
371223	2221-H ⊕	560.0		0.21	0.88	0.027	2.35	1.45	1.03
371477	2222-V ⊕	680.0	2.1	0.23	0.49	0.027	2.35	1.45	1.03
371231	2222-H ⊕	680.0		0.23	0.91	0.027	2.35	1.45	1.03
371485	2223-V ⊕	820.0		0.26	0.49	0.027	2.35	1.45	1.03
371240	2223-H ⊕	820.0	2.0	0.26	0.91	0.027	2.35	1.45	1.03
371493		1000.0		0.28	0.49	0.027	2.35	1.45	1.03
371258	2224-H ⊕	1000.0	1.9	0.28	0.91	0.027	2.35	1.45	1.03

371741 2101-V ⊕ 10.0 10.8 0.006 0.34 0.053 \$1.69 \$1.03 \$7.73 \$371506 2101-H ⊕ 10.0 10.8 0.006 0.77 0.053 1.69 1.03 7.73 7.75	Part No.	Ref. No.	L (µH) ; @ 1kHz i	IDC max. (A)	DCR max. (Ω)	Spa. (in)	Lead Dia. (in)	1	10	100
371566 2101+1⊕ 10.0 10.8 0.006 0.77 0.053 1.69 1.03 7.76 371750 2102+1⊕ 12.0 10.3 0.007 0.34 0.053 1.69 1.04 7.76 371769 2103+1⊕ 15.0 7.7 0.012 0.33 0.042 1.69 1.04 7.76 371762 2103+1⊕ 15.0 7.7 0.012 0.33 0.042 1.69 1.04 7.76 371767 2104+0⊕ 18.0 7.4 0.013 0.33 0.042 1.69 1.04 7.77 371761 2104+0⊕ 18.0 7.4 0.013 0.33 0.042 1.69 1.04 7.77 371764 2105+1⊕ 18.0 7.4 0.013 0.33 0.042 1.69 1.04 7.77 371764 2105+1⊕ 22.0 7.0 0.015 0.33 0.042 1.69 1.04 7.77 371764 2105+1⊕ 22.0 7.0 0.015 0.33 0.042 1.69 1.04 7.77 371769 2106+1⊕ 22.0 7.0 0.015 0.33 0.042 1.69 1.04 7.77 371569 2105+1⊕ 22.0 7.0 0.015 0.36 0.042 1.69 1.04 7.77 371569 2105+1⊕ 22.0 7.0 0.015 0.36 0.042 1.69 1.04 7.77 371565 2107+1⊕ 33.0 5.0 0.026 0.32 0.034 1.69 1.04 7.77 371565 2107+1⊕ 33.0 5.0 0.029 0.32 0.034 1.69 1.04 7.77 371565 2107+1⊕ 33.0 5.0 0.029 0.32 0.034 1.69 1.04 7.77 371573 2108+1⊕ 39.0 4.8 0.032 0.75 0.034 1.69 1.04 7.77 371580 2109+1⊕ 47.0 3.6 0.055 0.31 0.027 1.69 1.04 7.77 371580 2109+1⊕ 47.0 3.6 0.055 0.75 0.034 1.69 1.04 7.77 371581 2109+1⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 7.77 371580 2110+1⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 7.77 371580 2110+1⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 7.77 371602 2111+1⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 7.77 371610 2112+1⊕ 100.0 2.4 0.13 0.74 0.022 1.69 1.04 7.77 371684 2113+1⊕ 150.0 3.4 0.060 0.75 0.027 1.69 1.04 7.77 371685 2113+1⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.77 371686 2113+1⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.77 37169 2110+1⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 7.77 371610 2112+1⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.77 371611 2112+1⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.77 37169 2110+1⊕ 56.0 3.4 0.060 0.77 0.027 1.69 1.04 7.77 37169 2110+1⊕ 56.0 3.4 0.062 0.79 0.034 1.69 1.04 7.74 37169 2110+1⊕ 56.0 3.4 0.062 0.79 0.034 1.69 1.04 7.74 37169 2110+1⊕ 56.0 3.4 0.062 0.79 0.034 1.69 1.04 7.74 37169 2110+1⊕ 56.0 3.4 0.062 0.79 0.034 1.69 1.04 7.74 37169 2111+1⊕ 68.0 3.3 0.067 0.75 0.027 1.69 1.04 7.74 37169 2111+1⊕ 50.0 3.4 0.062 0.79 0.022 1.69 1.04 7.74 37169 2111+1⊕ 50.0 3.4 0.062										
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371522 2103-H⊕ 15.0 7.7 0.012 0.76 0.042 1.69 1.04 7.4 7.7										
371776										
371531 2104-H ⊕ 18.0 7.4 0.013 0.76 0.042 1.69 1.04 7.4 7.78 7.78 7.0 0.015 0.33 0.042 1.69 1.04 7.4 7.78 7.78 7.79 7.0 0.015 0.33 0.042 1.69 1.04 7.4 7.78 7.79 7.0 0.015 0.33 0.042 1.69 1.04 7.4 7.78 7.79 7.0 0.015 0.76 0.042 1.69 1.04 7.4 7.78 7.79 7.00 0.015 0.76 0.042 1.69 1.04 7.4 7.78 7.79 7.00 7.5 0.034 1.69 1.04 7.4 7.78 7.79										
371784 2105-V ⊕ 22.0	I									
371549 2105-H⊕ 22.0 7.0 0.015 0.76 0.042 1.69 1.04 7.4 7.4 7.5	l	I								
371792 2106-V ⊕ 27.0 5.3 0.026 0.32 0.034 1.69 1.04 7.4 371557 2106-H ⊕ 27.0 5.3 0.026 0.75 0.034 1.69 1.04 7.4 371565 2107-V ⊕ 33.0 5.0 0.029 0.32 0.034 1.69 1.04 7.4 371813 2108-V ⊕ 39.0 4.8 0.032 0.32 0.034 1.69 1.04 7.4 371573 2108-H ⊕ 39.0 4.8 0.032 0.75 0.034 1.69 1.04 7.4 371573 2108-H ⊕ 39.0 4.8 0.032 0.75 0.034 1.69 1.04 7.4 371581 2109-V ₹ 47.0 3.6 0.055 0.31 0.027 1.69 1.04 7.4 371582 2109-V ₹ 47.0 3.6 0.055 0.75 0.027 1.69 1.04 7.4 371583 2110-V ⊕ 56.0 3.4 0.060 0.31 0.027 1.69 1.04 7.4 371584 2111-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 7.4 371585 2110-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 7.4 371610 2111-H ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 7.4 371848 2111-V ⊕ 68.0 3.3 0.067 0.75 0.027 1.69 1.04 7.4 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.4 371864 2113-V ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 7.4 371872 2114-H ⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.4 371637 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.4 371637 2114-H ⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.4 371637 2114-H ⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.4 371637 2115-V ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371637 2115-V ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371653 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371653 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371661 2117-H ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 8.4 37190 2115-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 8.4 37190 2115-V ⊕ 330.0 1.7 0.23 0.76 0.022 1.89 1.17 8.4 371910 2115-V ⊕ 330.0 1.7 0.23 0.76 0.022 1.89 1.17 8.4 371928 2119-V ⊕ 330.0 1.7 0.23 0.76 0.022 1.89 1.17 8.4 37194 212-V ⊕ 300.0 1.5 0.30 0.35 0.022 1.89 1.17 8.4 37194 212-V ⊕ 560.0 1.5 0.30 0.79 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.33 0.79 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.35 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.37 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.37 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.37 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.37 0.022 1.89 1.17 8.4										.74
371557 2106-H ⊕ 27.0 5.3 0.026 0.75 0.034 1.69 1.04 7.4 371805 2107-V ⊕ 33.0 5.0 0.029 0.32 0.034 1.69 1.04 7.4 371565 2107-H ⊕ 33.0 5.0 0.029 0.75 0.034 1.69 1.04 7.4 371513 2108-V ⊕ 39.0 4.8 0.032 0.32 0.034 1.69 1.04 7.4 371573 2108-H ⊕ 39.0 4.8 0.032 0.32 0.034 1.69 1.04 7.4 371573 2109-H ⊕ 37.0 3.6 0.055 0.31 0.027 1.69 1.04 7.4 371581 2109-H ⊕ 47.0 3.6 0.055 0.75 0.027 1.69 1.04 7.4 371580 2110-V ⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 7.4 371580 2110-H ⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 7.4 371848 2111-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 7.4 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.4 371611 2112-H ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.4 371629 2113-H ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 7.4 371637 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.4 371637 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.4 371873 2115-V ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 7.4 371881 2115-V ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 7.4 371873 2116-H ⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.4 371874 2115-V ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371875 2116-H ⊕ 220.0 2.4 0.12 0.37 0.027 1.69 1.04 7.4 371881 2115-V ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371881 2115-V ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.4 371875 2116-H ⊕ 270.0 1.8 0.21 0.77 0.027 1.69 1.04 7.4 371876 2115-H ⊕ 270.0 1.8 0.21 0.76 0.022 1.89 1.17 8.4 37190 2118-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 8.4 371910 2118-V ⊕ 330.0 1.7 0.25 0.36 0.022 1.89 1.17 8.4 371928 2119-V ⊕ 390.0 1.7 0.25 0.36 0.022 1.89 1.17 8.4 37193 2116-H ⊕ 30.0 1.7 0.25 0.36 0.022 1.89 1.17 8.4 371966 2120-H ⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 560.0 1.5 0.30 0.79 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 560.0 1.4 0.33 0.79 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 560.0 1.4 0.37 0.79 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 560.0 1.4 0.37 0.79 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 560.0 1.4 0.37 0.79 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 560.0 1.4 0.37 0.79 0.022 1.89 1.17 8.4 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 8.4				7.0						.74
371805 2107-V ⊕ 33.0 5.0 0.029 0.32 0.034 1.69 1.04 7.74 371565 2107-H ⊕ 33.0 5.0 0.029 0.75 0.034 1.69 1.04 7.74 371813 2108-V ⊕ 39.0 4.8 0.032 0.32 0.034 1.69 1.04 7.74 371872 2109-V ₹ 47.0 3.6 0.055 0.31 0.027 1.69 1.04 7.74 371830 2109-H ⊕ 47.0 3.6 0.055 0.75 0.034 1.69 1.04 7.74 371830 2109-H ⊕ 47.0 3.6 0.055 0.75 0.027 1.69 1.04 7.74 371830 2110-V ⊕ 56.0 3.4 0.060 0.31 0.027 1.69 1.04 7.74 371848 2111-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 7.74 371862 2112-V ⊕ 100.0 2.4 0.13 0.31 0.027 1.69 1.04 7.74 371864 2113-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.74 371872 2114-H ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.74 371864 2113-V ⊕ 1200 2.2 0.15 0.31 0.022 1.69 1.04 7.74 371872 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371872 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.74 371873 2114-H ⊕ 150.0 3.4 0.062 0.79 0.034 1.69 1.04 7.74 371873 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.74 371873 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.74 37190 2118-V ⊕ 220.0 2.4 0.12 0.77 0.027 1.69 1.04 7.74 37190 2118-H ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 8.4 37190 2118-H ⊕ 330.0 1.7 0.23 0.76 0.022 1.89 1.17 8.4 37190 2118-H ⊕ 330.0 1.7 0.23 0.76 0.022 1.89 1.17 8.4 37190 2118-H ⊕ 330.0 1.7 0.25 0.76 0.022 1.89 1.17 8.4 371936 2120-V ⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 8.4 37190 2118-H ⊕ 330.0 1.7 0.25 0.76 0.022 1.89 1.17 8.4 37190 2118-H ⊕ 30.0 1.7 0.25 0.76 0.022 1.89 1.17 8.4 37190 2118-H ⊕ 30.0 1.7 0.25 0.76 0.022 1.89 1.17 8.4 37190 212-H ⊕ 560.0 1.5 0.30 0.79 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.5 0.30 0.79 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.30 0.79 0.022 1.89 1.17 8.4 371979 212-H ⊕ 560.0 1.4 0.37 0.39 0.022 1.89 1.17 8.4 371979								1.69		.74
371565 2107-H ⊕ 33.0 5.0 0.029 0.75 0.034 1.69 1.04 .74 371813 2108-V ⊕ 39.0 4.8 0.032 0.32 0.034 1.69 1.04 .74 371873 2108-H ⊕ 39.0 4.8 0.032 0.75 0.034 1.69 1.04 .74 371822 2109-V ₱ 47.0 3.6 0.055 0.31 0.027 1.69 1.04 .74 371830 2110-V ⊕ 56.0 3.4 0.060 0.31 0.027 1.69 1.04 .74 371848 2111-V ⊕ 56.0 3.4 0.060 0.75 0.027 1.69 1.04 .74 371860 2111-H ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 .74 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 .74 371864 2113-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 .74 371872 2114-H ⊕ 100.0 2.4 0.13 0.74 0.022 1.69 1.04 .74 371872 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371873 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371874 2115-H ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 .74 371653 2116-H ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 .74 371673 2114-H ⊕ 270.0 2.8 0.11 0.77 0.027 1.69 1.04 .74 371673 2114-H ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 .74 371675 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 .74 371676 2118-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 84 37190 2118-V ⊕ 390.0 1.7 0.25 0.33 0.022 1.89 1.17 84 37198 2119-V ⊕ 390.0 1.7 0.25 0.36 0.022 1.89 1.17 84 37199 2118-V ⊕ 390.0 1.7 0.25 0.36 0.022 1.89 1.17 84 371994 212-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 84 371979 212-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 84 371979 212-H ⊕ 560.0 1.4 0.37 0.79 0.022 1.89 1.17 84 371979 212-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 84 371979 212-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 84 371979 212-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 84 371979	371557		27.0	5.3	0.026	0.75	0.034	1.69	1.04	.74
371813	371805		33.0	5.0	0.029	0.32	0.034	1.69	1.04	.74
371873 2108+H ⊕ 39.0 4.8 0.032 0.75 0.034 1.69 1.04 .74	371565		33.0	5.0	0.029	0.75	0.034	1.69	1.04	.74
371822 2109-V	371813	2108-V ⊕	39.0	4.8	0.032	0.32	0.034	1.69	1.04	.74
371881 2109-H ⊕ 47.0 3.6 0.055 0.75 0.027 1.69 1.04 .74 371830 2110-V ⊕ 56.0 3.4 0.060 0.31 0.027 1.69 1.04 .74 371848 2111-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 .74 371848 2111-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 .74 371862 2111-H ⊕ 68.0 3.3 0.067 0.75 0.027 1.69 1.04 .74 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 .74 371861 2112-H ⊕ 100.0 2.4 0.13 0.74 0.022 1.69 1.04 .74 371629 2113-H ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 .74 371872 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371872 2114-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371881 2115-V ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 .74 371899 2116-H ⊕ 120.0 2.4 0.12 0.34 0.027 1.69 1.04 .74 371899 2116-H ⊕ 120.0 2.6 0.11 0.77 0.027 1.69 1.04 .74 371899 2116-H ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 .74 371891 2117-V ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 .74 371901 2117-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 384 371910 2118-H ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 384 371928 2119-V ⊕ 330.0 1.7 0.23 0.36 0.022 1.89 1.17 384 371936 2120-V ⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 384 371936 2120-V ⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 384 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 384 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 384 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 384 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 384 371979 2121-H ⊕ 680.0 1.4	371573	2108-H ⊕	39.0	4.8	0.032	0.75	0.034	1.69	1.04	.74
371830	371822	2109-V 2	47.0	3.6	0.055	0.31	0.027	1.69	1.04	.74
371830	371581	2109-H ⊕		3.6	0.055	0.75	0.027	1.69	1.04	.74
371848 2111-V ⊕ 68.0 3.3 0.067 0.31 0.027 1.69 1.04 .74 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 .74 371864 2113-V ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 .74 371864 2113-V ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 .74 371629 2113-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371872 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371881 2115-V ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 .74 371889 2116-V ⊕ 220.0 2.4 0.12 0.77 0.027 1.69 1.04 .74 371899 2116-V ⊕ 220.0 2.4 0.12 0.77 0.027 1.69 1.04 .74 371891 2117-V ⊕ 270.0 1.8 0.21 0.77 0.027 1.69 1.04 .74 371901 2117-V ⊕ 270.0 1.8 0.21 0.76 0.022 1.89 1.17 .84 371910 2118-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 .84 371928 2119-V ⊕ 390.0 1.7 0.25 0.33 0.022 1.89 1.17 .84 371936 2120-V ⊕ 470.0 1.6 0.28 0.76 0.022 1.89 1.17 .84 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 .84 371952 2122-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 .84 371979 2121-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 .84 371979 2121-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 .84 371979 2121-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 .84 371979 2121-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 .84 371979 2122-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 .84 371979 2122-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 .84 371979 2124-V ⊕ 1000.0 1.3 0.40 0.37 0.022 1.89 1.17 .84 371979 2124-V ⊕ 1000.0 1.3 0.40 0.37 0.022 1.89 1.17 .84 371979 2124-V ⊕ 1000.0 1.3 0.40 0.37 0.022 1.89 1.17 .84 371979 2124-V ⊕ 1000.0 1.3 0.40 0.37 0.022 1.89 1.17 .84 371979 2124-V ⊕ 1000.0 1.3 0.40 0.37 0.022 1.89 1.17 .84	371830	2110-V ⊕	56.0	3.4	0.060	0.31	0.027	1.69	1.04	.74
371602 2111-H ⊕ 68.0 3.3 0.067 0.75 0.027 1.69 1.04 7.74 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.74 371864 2113-V ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 7.74 371629 2113-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371872 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371881 2115-V ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 7.74 371889 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.74 371899 2116-V ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 7.74 371635 2116-H ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 7.74 371901 2117-V ⊕ 270.0 1.8 0.21 0.33 0.022 1.89 1.17 3.84 371908 2118-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 3.84 371928 2119-V ⊕ 390.0 1.7 0.23 0.35 0.022 1.89 1.17 3.84 371928 2119-V ⊕ 390.0 1.7 0.25 0.33 0.022 1.89 1.17 3.84 371966 2120-V ⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 3.84 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 3.84 371952 2122-V ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 560.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.35 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.35 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37	371590	2110-H ⊕	56.0	3.4	0.060	0.75	0.027	1.69	1.04	.74
371602 2111-H ⊕ 68.0 3.3 0.067 0.75 0.027 1.69 1.04 7.74 371856 2112-V ⊕ 100.0 2.4 0.13 0.31 0.022 1.69 1.04 7.74 371864 2113-V ⊕ 120.0 2.2 0.15 0.31 0.022 1.69 1.04 7.74 371629 2113-H ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371872 2114-V ⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 7.74 371881 2115-V ⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 7.74 371889 2115-H ⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 7.74 371899 2116-V ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 7.74 371635 2116-H ⊕ 220.0 2.4 0.12 0.34 0.027 1.69 1.04 7.74 371901 2117-V ⊕ 270.0 1.8 0.21 0.33 0.022 1.89 1.17 3.84 371908 2118-V ⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 3.84 371928 2119-V ⊕ 390.0 1.7 0.23 0.35 0.022 1.89 1.17 3.84 371928 2119-V ⊕ 390.0 1.7 0.25 0.33 0.022 1.89 1.17 3.84 371966 2120-V ⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 3.84 371944 2121-V ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 3.84 371952 2122-V ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 560.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.35 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.35 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37 0.79 0.022 1.89 1.17 3.84 371979 2121-H ⊕ 680.0 1.4 0.37	371848	2111-V ⊕								.74
371856	371602		68.0					1.69	1.04	.74
371611		2112-V ⊕								.74
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371629 2113-H⊕ 120.0 2.2 0.15 0.74 0.022 1.69 1.04 .74 371872 2114-V⊕ 150.0 3.4 0.062 0.35 0.034 1.69 1.04 .74 371881 2115-V⊕ 180.0 2.6 0.11 0.34 0.027 1.69 1.04 .74 371881 2115-V⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 .74 371645 2115-H⊕ 180.0 2.6 0.11 0.77 0.027 1.69 1.04 .74 371899 2116-V⊕ 220.0 2.4 0.12 0.77 0.027 1.69 1.04 .74 371653 2116-H⊕ 220.0 2.4 0.12 0.77 0.027 1.69 1.04 .74 371901 2117-V⊕ 370.0 1.8 0.21 0.33 0.022 1.89 1.17 84 371910 2118-V⊕ 330.0 1.7 0.23 0.33 0.022 1.89 1.17 84 371928 2119-V⊕ 390.0 1.7 0.25 0.33 0.022 1.89 1.17 84 371936 2120-V⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 84 371936 2120-V⊕ 470.0 1.6 0.28 0.35 0.022 1.89 1.17 84 37194 2121-V⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 84 37199 2121-H⊕ 560.0 1.5 0.30 0.35 0.022 1.89 1.17 84 371979 2121-H⊕ 680.0 1.4 0.33 0.79 0.022 1.89 1.17 84 371961 2123-V⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.33 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.37 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 680.0 1.4 0.37 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 820.0 1.4 0.37 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 820.0 1.4 0.37 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 820.0 1.4 0.37 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 820.0 1.4 0.37 0.37 0.35 0.022 1.89 1.17 84 37197 2121-H⊕ 820.0 1.4 0.37 0.37 0.079 0.022 1.89 1.17 84 37197 2121-H⊕ 820.0 1.4 0.37 0.37 0.079 0.022 1.89 1.17 84 371979 2121-H⊕ 820.0 1.4 0.37 0.37 0.079 0.022 1.89 1.17 84 371979 2121-H⊕ 820.0 1.4 0.37 0.37 0.37 0.022 1.89 1.17 84 371979 2121-H⊕ 820.0 1.4 0.37 0.37 0.37 0.022 1.89 1.17 84 371979 2121-H⊕ 820.0 1.4 0.37 0.37 0.37 0.022 1.89 1.17										.74
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2300 Se	eries Equ	ivalen	ts						
386901	2301-V 🟵	10.0	20.0	0.005	0.56	0.066	\$2.19	\$1.49	\$1.13
386361	2301-H ⊕	10.0	20.0	0.005	1.18	0.066	2.19	1.49	1.13
386935	2302-V ⊕	12.0	19.1	0.005	0.56	0.066	2.19	1.49	1.13
386396	2302-H ↔	12.0	19.1	0.005	1.18	0.066	2.19	1.49	1.13
386951	2303-V ⊕	15.0	18.0	0.006	0.56	0.066	2.19	1.49	1.13
386425	2303-H ⊕	15.0	18.0	0.006	1.18	0.066	2.19	1.49	1.13
386978	2304-V ⊕	18.0	17.2	0.006	0.56	0.066	2.19	1.49	1.13
386441	2304-H ⊕	18.0	17.2	0.006	1.18	0.066	2.19	1.49	1.13
387006	2305-V ⊕	22.0	16.4	0.007	0.56	0.066	2.19	1.49	1.13
386468	2305-H ⊕	22.0	16.4	0.007	1.18	0.066	2.19	1.49	1.13
387022	2306-V ⊕	27.0	15.6	0.008	0.56	0.066	2.19	1.49	1.13
386484	2306-H ⊕	27.0	15.6	0.008	1.18	0.066	2.19	1.49	1.13
387049	2307-V ⊕	33.0	11.7	0.013	0.53	0.053	2.19	1.49	1.13
386505	2307-H ⊕	33.0	11.7	0.013	1.14	0.053	2.19	1.49	1.13
387065	2308-V 🕀	39.0	11.2	0.014	0.53	0.053	2.19	1.49	1.13
386521	2308-H ⊕	39.0	11.2	0.014	1.14	0.053	2.19	1.49	1.13
387090	2309-V ⊕	47.0	10.7	0.016	0.53	0.053	2.19	1.49	1.13
386548	2309-H ⊕	47.0	10.7	0.016	1.14	0.053	2.19	1.49	1.13
387111	2310-V ⊕	56.0	10.2	0.017	0.53	0.053	2.19	1.49	1.13
386564	2310-H ⊕	56.0	10.2	0.017	1.14	0.053	2.19	1.49	1.13

🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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2200 Series Equivalents 2201-V ⊕

2201-H ⊕ ¦

2202-V ⊕ ¦

2202-H ⊕ ¦

2203-V ⊕ ¦

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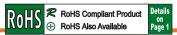
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JAMECO ValuePro

High Current Toroid Inductors (Continued)

2300 Series Equivalents

	Cross	L (µH)	IDC max.	DCR max.	Lead	Lead		Pricing	
Part No.	Ref. No.	@ 1KHz	(A)	(Ω)	Spa. (in)	Dia. (in)	1	10	100
386652	2314-H ⊕	150.0	5.0	0.071	1.12	0.034	\$2.19	\$1.49	\$1.13
387233	2315-V ⊕	180.0	4.8	0.078	0.51	0.034	2.19	1.49	1.13
386679	2315-H ⊕	180.0	4.8	0.078	1.12	0.034	2.19	1.49	1.13
387268	2316-V 🕀	220.0	5.8	0.054	0.56	0.042	2.19	1.49	1.13
386695	2316-H ⊕	220.0	5.8	0.054	1.17	0.042	2.19	1.49	1.13
387284	2317-V ↔	270.0	5.5	0.060	0.56	0.042	2.19	1.49	1.13
386724	2317-H ⊕	270.0	5.5	0.060	1.17	0.042	2.19	1.49	1.13
387313	2318-V 🏵	330.0	5.2	0.067	0.56	0.042	2.19	1.49	1.13
386741	2318-H ⊕	330.0	5.2	0.067	1.17	0.042	2.19	1.49	1.13
387330	2319-V ⊕	390.0	5.0	0.072	0.56	0.042	2.19	1.49	1.13
386767	2319-H ⊕	390.0	5.0	0.072	1.17	0.042	2.19	1.49	1.13

	Cross	L (µH)	IDC max.	DCR max.	Lead	Lead		Pricing	
Part No.	Ref. No.	@ 1kHz	(A)	(Ω)	Spa. (in)	Dia. (in)	1	10	100
387364	2320-V ⊕	470.0	3.8	0.13	0.54	0.034	\$2.19	\$1.49	\$1.13
386783	2320-H ⊕	470.0	3.8	0.13	1.16	0.034	2.19	1.49	1.13
387381	2321-V ⊕	560.0	3.6	0.14	0.54	0.034	2.19	1.49	1.13
386812	2321-H ⊕	560.0	3.6	0.14	1.16	0.034	2.19	1.49	1.13
387410	2322-V ⊕	680.0	3.4	0.15	0.54	0.034	2.19	1.49	1.13
386839	2322-H ⊕	680.0	3.4	0.15	1.16	0.034	2.19	1.49	1.13
387436	2323-V ⊕	820.0	2.6	0.27	0.53	0.027	2.19	1.49	1.13
386855	2323-H ⊕	820.0	2.6	0.27	1.14	0.027	2.19	1.49	1.13
388041	2324-V ⊕	1000.0	2.4	0.30	0.53	0.027	2.19	1.49	1.13
386880	2324-H ⊕	1000.0	2.4	0.30	1.14	0.027	2.19	1.49	1.13

High Current Toroid Inductors

5700 Series Equivalents

- Low radiation
 Low core loss
- **Quantity SAVE**
- · High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max
- $C = 15.0 \pm 1.0 \text{mm}$; $D = 1.2 \pm 0.5 \text{mm}$
- · See page 244 for EMI suppression cores
- See technical datasheets on <u>www.Jameco.com</u> for complete specifications

	Cross		IDC max.	L min.	Pricing				
Part No.	Ref. No.	L (µH)	(A)	@ IDC	1	10	25	50	100
208258	5701 ⊕	10	11.0	5	\$3.99	\$3.05	\$2.74	\$2.26	\$1.70
208303	5707 ↔	75	5.0	40	4.35	3.75	3.37	2.78	2.09
208274	5703 ↔	125	2.75	70	3.99	3.05	2.74	2.26	1.70
208320	5712 ↔	150	4.75	85	4.35	3.75	3.19	2.55	1.91
208282	5704 ↔	275	2.0	150	3.99	3.05	2.74	2.26	1.70
208291	5705 ↔	450	1.5	250	4.35	3.28	2.95	2.44	2.21

Inductors

- · Lead wires
- High pot tested @ 1500Vrms
- Inductance tolerance: -20% to +50%

U Case Type

· Lug terminals

	Product	DC Current	Inductance	Resistance	Dimensions	Pricing		Pricing		
Part No.	No.	(A)	(H)	(Ω)	(H" x W" x L")	1	10	100		
618329	C-59U ♠	12.5	.01	.10	3.5 x 4.1 x 3	\$38.95	\$30.46	\$28.94		
618337	C-80U ♠	20/40	.024/.006	.1/0/.025	5.3 x 4.6 x 5.5	92.15	90.89	86.35		

See Complete Inductor Offering at www.Jameco.com/Prod/TriadInductors

High Current Rod Core Inductors

 Rated current @ 40°C temperature rise







Fig. 1

		Inductance	DC Rated	DCR	Lead	Pricing		
Part No.	Product No.	(mH) ±15%	Current (A)	(Ω) max.	Diameter	1	10	100
629466	Firch-2♠	3.05	9.7	7.3	0.045"	\$2.35	\$1.53	\$1.41
629482	Firch-6♠	7.22	4.8	26.1	0.028"	2.35	1.53	1.41

Fig. 2

		Inductance	DC Rated	DCR	Pricing		
Part No.	Product No.	10%	Current (A)	(Ω) max.	1	10	100
630256	RC-10	100μΗ	2.0	0.098	\$2.35	\$2.14	\$1.85
630264	RC-11	75µH	2.5	0.070	2.35	2.15	1.91
630301	RC-7♠	450µH	1.0	0.420	2.35	1.70	1.56

See Complete Inductor Offering at www.Jameco.com/Prod/TriadInductors

Save Big! Special Values!

Exceptional Quantity Discounts = Green

file This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Chip Inductors (SMD)

- Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- · Flat top surface for automated pick and place





PM0805/PM1008

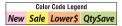
PM0805 Series Equivalents

	Cross			SRF (MHz)	DCR Ω	Current		Pricing	
Part No.	Ref. No.	L (nH)	Q (min.)	min.	max.	(mA)	1	10	100
663592	0805-2N2M ≈	2.2	15	6000	0.08	600	\$.25	\$.225	\$.195
663605	0805-3N3M ₹	3.3	35	6000	0.08	600	.25	.225	.195
663613	0805-6N8M ₹	6.8	50	5500	0.11	600	.25	.225	.195
663621	0805-8N2M ₹	8.2	35	4700	0.12	600	.25	.225	.195
663630	0805-12NM ₹	12.0	50	4000	0.15	600	.25	.225	.195
663648	0805-18NM ≉	18.0	50	3300	0.2	600	.25	.225	.195
663656	0805-27NM ₹	27.0	55	2500	0.25	500	.25	.225	.195
663664	0805-33NM ₹	33.0	60	2050	0.27	500	.25	.225	.195
663672	0805-39NM ₹	39.0	60	2000	0.29	500	.25	.225	.195
663681	0805-47NM ₹	47.0	60	1650	0.31	500	.25	.225	.195
663699	0805-56NK ≈	56.0	60	1550	0.34	500	.25	.225	.195
663701	0805-68NK ≈	68.0	60	1450	0.38	500	.25	.225	.195
663710	0805-82NK 	82.0	60	1300	0.42	400	.25	.225	.195

CDE (MILE) DCD () Current

PM1008 Series Equivalents

	Cross			SRF (MHz)	DCR Ω	Current		Pricing	
Part No.	Ref. No.	L (nH)	Q (min.)	min.	max.	(mA)	1	10	100
663736	1008-10NM ≈	10	50	4100	0.08	1000	\$.25	\$.166	\$.152
663744	1008-12NM ₹	12	50	3300	0.09	1000	.25	.166	.152
663752	1008-15NM ₹	15	50	2500	0.10	1000	.25	.166	.152
663761	1008-18NM ₹	18	50	2500	0.11	1000	.25	.166	.152
663779	1008-22NM ₹	22	55	2400	0.12	1000	.25	.166	.152
663787	1008-27NM ₹	27	55	1600	0.13	1000	.25	.166	.152
663795	1008-33NM ₹	33	60	1600	0.14	1000	.25	.166	.152
663808	1008-39NM ≈	39	60	1500	0.15	1000	.25	.166	.152
663816	1008-47NM ₹	47	65	1500	0.16	1000	.25	.166	.152
663824	1008-56NK ₹	56	65	1300	0.18	1000	.25	.166	.152
663832	1008-68NK ₹	68	65	1300	0.20	1000	.25	.166	.152
663841	1008-82NK ₹	82	60	1000	0.22	1000	.25	.166	.152
663859	1008-R10K ≈	100	60	1000	0.56	650	.25	.166	.152
663867	1008-R12K ₹	120	60	950	0.63	650	.25	.166	.152
663875	1008-R15K ₹	150	45	850	0.70	580	.25	.166	.152
663883	1008-R18K ≉	180	45	750	0.77	620	.25	.166	.152
663891	1008-R22K ₹	220	45	660	0.84	500	.25	.166	.152
663904	1008-R27K ≈	270	45	600	0.91	500	.25	.166	.152
663912	1008-R33K ≈	330	45	570	1.05	450	.25	.166	.152
663921	1008-R39K ₹	390	45	500	1.12	470	.25	.166	.152
663939	1008-2R7K ₹	2700	22	80	3.20	290	.25	.166	.152
663947	1008-3R3K ₹	3300	22	60	3.40	290	.25	.166	.152
663955	1008-3R9K ≉	3900	20	60	3.60	260	.25	.166	.152
663963	1008-4R7K ≉	4700	18	60	4.00	260	.25	.166	.152



RoHS Compliant Product → RoHS Also Available

Color Code Legend New Sale Lower\$ QtySave

JAMECO ValuePro

- · Ceramic core, wire wound for superior reliability
- High self-resonant frequency
- Stable electrical characteristics
- · Flat top surface for automated pick and place

PM1210/PM1812

PM1210 Series Equivalents

- · Molded for high reliability and superior environmental protection
- · High resistance to solder heat and moisture
- Ferrite bobbin core

	Cross			SRF (MHz)	DCR Ω	Current		Pricing	
Part No.	Ref. No.	L (µH)	Q (min.)	min.	max.	(mA)	1	10	100
663971	1210-1R0J ≈	1.0	30	120	0.70	400	\$.28	\$.261	\$.166
663980	1210-1R2J ≈	1.2	30	100	0.75	390	.28	.261	.166
663998	1210-1R5J ≈		30	85	0.85	370	.28	.261	.166
664000	1210-1R8J ≈	1.8	30	80	0.90	350	.28	.261	.166
664018	1210-2R2J ≈	2.2	30	75	1.00	320	.28	.261	.166
664026	1210-2R7J ≈	2.7	30	70	1.10	290	.28	.261	.166
664034	1210-3R3J ₹	3.3	30	60	1.20	260	.28	.261	.166
664042	1210-3R9J ≈	3.9	30	55	1.30	250	.28	.261	.166
664051	1210-4R7J ≈	4.7	30	50	1.50	220	.28	.261	.166
664069	1210-5R6J ≈	5.6	30	45	1.60	200	.28	.261	.166
664077	1210-6R8J ≈	6.8	30	40	1.80	180	.28	.261	.166
664085	1210-8R2J ≈	8.2	30	35	2.00	170	.28	.261	.166
664093	1210-100J ≈	10.0	30	30	2.10	150	.28	.261	.166
664106	1210-120J ≈	12.0	30	20	2.50	140	.28	.261	.166
664114	1210-150J ≈	15.0	30	20	2.80	130	.28	.261	.166
664122	1210-180J ≈	18.0	30	20	3.30	120	.28	.261	.166
664131	1210-220J ≈	22.0	30	20	3.70	110	.28	.261	.166
664149	1210-270J ≈	27.0	30	20	5.00	80	.28	.261	.166
664157	1210-330J ≈	33.0	30	17	5.60	70	.28	.261	.166
664165	1210-390J ≈	39.0	30	16	6.40	65	.28	.261	.166
664173	1210-470J ≈	47.0	30	15	7.00	60	.28	.261	.166
664181	1210-560J 	56.0	30	13	8.00	55	.28	.261	.166
664190	1210-680J ≈	68.0	30	12	9.00	50	.28	.261	.166
664202	1210-820J ≈	82.0	30	11	10.00	45	.28	.261	.166
664211	1210-101J ≈	100	20	10	10.00	40	.28	.261	.166
664229	1210-121J 	120	20	10	11.00	70	.28	.261	.166
664237	1210-151J ?	150	20	8	15.00	65	.28	.261	.166
664245	1210-181J 	180	20	7	17.00	60	.28	.261	.166
664253	1210-221J 	220	20	7	21.00	50	.28	.261	.166

PM1812 Series Equivalents

- · Molded construction for high reliability and superior environmental protection
- · High resistance to solder heat and moisture

	Cross	!		SRF (MHz)	DCR Ω	Current		Pricing	
Part No.	Ref. No.	L (µH)	Q (min.)	min.	max.	(mA)	1	10	100
643014	1812-R10K 欠	0.10	35	300	0.18	800	\$.25	\$.225	\$.176
643022	1812-R12K 欠	0.12	35	280	0.20	770	.25	.225	.176
643031	1812-R15K ₹	0.15	35	250	0.22	730	.25	.225	.176
643049	1812-R18K 欠	0.18	35	220	0.24	700	.25	.225	.176
643057	1812-R22K 欠	0.22	40	200	0.25	665	.25	.225	.176
643065	1812-R27K ₹	0.27	40	180	0.26	635	.25	.225	.176
643073	1812-R33K ₹	0.33	40	165	0.28	605	.25	.225	.176
643081	1812-R39K 欠	0.39	40	150	0.30	575	.25	.225	.176
643090	1812-R47K ₹	0.47	40	145	0.32	545	.25	.225	.176
643102	1812-R56K ₹	0.56	40	140	0.36	520	.25	.225	.176
643111	1812-R68K 欠	0.68	40	135	0.40	500	.25	.225	.176
643129	1812-R82K ₹	0.82	40	130	0.45	475	.25	.225	.176
643137	1812-1R0J ≈	1.0	50	100	0.50	450	.25	.225	.176
643145	1812-1R2J ₹	1.2	50	80	0.55	430	.25	.225	.176
643153	1812-1R5J ≈	1.5	50	70	0.60	410	.25	.225	.176
643161	1812-1R8J ≈	1.8	50	60	0.65	390	.25	.225	.176
643170	1812-2R2J ₹	2.2	50	55	0.70	380	.25	.225	.176
643188	1812-2R7J ≈	2.7	50	50	0.75	370	.25	.225	.176
643196	1812-3R3J ≈	3.3	50	45	0.80	355	.25	.225	.176
643209	1812-3R9J ₹	3.9	50	40	0.90	330	.25	.225	.176
643217	1812-4R7J ≈	4.7	50	35	1.00	315	.25	.225	.176

Chip Inductors (SMD) (Continued)

PM1812 Series Equivalents

- · Molded construction for high reliability and superior environmental protection
- · High resistance to solder heat and moisture

	Cross	!		SRF (MHz)	DCR Ω	Current		Pricing	
Part No.	Ref. No.	L (µH)	Q (min.)	min.	max.	(mA)	1	10	100
643225	1812-5R6J ≈	5.6	50	33	1.10	300	\$.25	\$.225	\$.176
643233	1812-6R8J ₹	6.8	50	27	1.20	285	.25	.225	.176
643241	1812-8R2J ≈	8.2	50	23	1.40	270	.25	.225	.176
643250	1812-100J ≈	10.0	50	20	1.50	250	.25	.225	.176
643268	1812-120J ≈	12.0	50	18	2.00	225	.25	.225	.176
643276	1812-150J ≈	15.0	50	17	2.50	200	.25	.225	.176
643284	1812-180J ≉	18.0	50	15	2.80	190	.25	.225	.176
643292	1812-220J ₹	22.0	50	13	3.20	180	.25	.225	.176
643305	1812-270J ≈	27.0	50	12	3.60	170	.25	.225	.178
643313	1812-330J ₹	33.0	50	11	4.00	160	.25	.225	.176
643321	1812-390J ₹	39.0	50	10	4.50	150	.25	.225	.176
643330	1812-470J ≈	47.0	50	10	5.00	140	.25	.225	.176
643348	1812-560J ≉	56.0	50	9	5.50	135	.25	.225	.176
643356	1812-680J ₹	68.0	50	9	6.00	130	.25	.225	.176
643364	1812-820J ≉	82.0	50	8	7.00	120	.25	.225	.176
643372	1812-101J ₹	100	40	8	8.00	110	.25	.225	.176
643381	1812-121J ₹	120	40	6	8.00	110	.25	.225	.176
643399	1812-151J ₹	150	40	5	9.00	105	.25	.225	.176
643401	1812-181J ₹	180	40	5	9.50	105	.25	.225	.176
643410	1812-221J ₹	220	40	4	10.00	100	.25	.225	.176
643428	1812-271J ₹	270	30	4	12.00	92	.25	.225	.176
643436	1812-331J ₹	330	40	3.5	14.00	85	.25	.225	.176
643444	1812-391J ₹	390	40	3	16.00	80	.25	.225	.176
643452	1812-471J ≈	470	40	3	26.00	62	.25	.225	.176
643461	1812-561J ≉	560	30	3	30.00	50	.25	.225	.176
643479	1812-681J ₹	680	30	3	30.00	50	.25	.225	.176
643487	1812-821J ₹	820	30	2.5	35.00	30	.25	.225	.176
643495	1812-102J ₹	1000	25	2.5	40.00	30	.25	.225	.176

SMD: Affordable Prototyping **Tools Are Available**

Whether you like working with SMD boards or not, the technology is here to stay. And while many prototyping efforts can be completed in DIP configurations, as you're probably well-aware, some technologies are only available in SMD packaging.

I avoided SMD boards for many years, but have found that the chore is much more palatable with the proper equipment. The biggest difficulty in soldering and desoldering SMD components is getting the right amount of heat to each of the device's connections simultaneously and evenly.

Affordable soldering stations now exist making this process a lot easier than it used to be. Take the Hot Air SMD Rework Station on page 320 for instance. For under \$400, this system electronically controls the temperature blown on your device. A powerful diaphragm pump provides up to 28 liters of air per minute. Optional focus hood tips are also available to direct the air precisely where you want it for numerous package configurations.

And if you're looking to remove SMD devices, be sure to check out CHIP QUIK's SMD Removal kits, also on page 301. Each kit provides the materials you need to properly clean up SMD solder pads.

Be sure to consider each of these helpful tools next time you're thinking about SMD.

Practical Practices Money Saving Tips for the Engineer

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



EXCLUSIVE

JAMECO ValuePro

Molded RF Chokes

9230 Series Equivalents

- · High Q and high reliability · Miniature size
- · Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- · Dielectric strength: 1000Vrms
- Operating temp.: phenolic -55°C to +125°C, iron/ferrite -55°C to +105°C
- Overall length: 2.25" Body length: 0.25"
- · Lead length: 1.0"
- · Body diameter: 0.095"

	Cross	L ±10%	SRF (MHz)	DCR	I (mA)	Core	Pricing		
Part No.	Ref. No.	(µH)	(min.)	Max. (Ω)	Max.	Material	1	10	100
372285	9230-94 🟵	0.10	690	0.07	1100	Phenolic	\$.84	\$.55	\$.37
372293	9230-00 ↔	0.15	600	0.10	1100	Phenolic	.65	.41	.29
372306	9230-04 🕀	0.22	510	0.14	935	Phenolic	.81	.51	.33
372314	9230-10 ↔	0.39	380	0.30	640	Phenolic	.82	.51	.33
372322	9230-12 ↔	0.47	340	0.35	590	Phenolic	.81	.51	.33
372331	9230-14 🕀	0.56	300	0.50	495	Phenolic	.84	.76	.62
372349	9230-16 ↔	0.68	275	0.60	450	Phenolic	.81	.51	.33
372357	9230-20 ↔	1.0	230	1.0	350	Phenolic	.81	.51	.33
372365	9230-32 ↔	3.3	90	0.85	380	Iron	.88	.55	.40
372373	9230-34 🕀	3.9	82	1.0	350	Iron	1.09	.98	.82
372381	9230-36 ↔	4.7	75	1.2	320	Iron	.88	.55	.40
372390	9230-44 🟵	10.0	50	3.7	180	Iron	1.01	.62	.45
372402	9230-52 ↔	22.0	25	3.3	190	Iron	1.03	.63	.46
372411	9230-56 ↔	33.0	24	3.4	187	Ferrite	1.09	.68	.48
372429	9230-64 🕀	68.0	15	6.7	135	Ferrite	1.09	.68	.48
372437	9230-68 🟵	100	13	8.0	125	Ferrite	1.19	.74	.53
372445	9230-70 ↔	120	12	13.0	97	Ferrite	1.45	1.31	1.06

JAMECO ValuePro

Molded RF Chokes



9250 Series Equivalents

- · High Q and high reliability
- · Ferrite magnetic shielded for low radiation
- Injection molded to protect coil from extreme environment
- · Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: -55°C to +105°C

	Cross	L ±10%	SRF (MHz)	DCR	I (mA)	Core		Pricing	
Part No.	Ref. No.	(µ H)	(Min.)	Max. (Ω)	Max.	Material	1	10	100
372453	9250-102 🕀	1.0	140	0.07	1070	Iron	\$1.59	\$.97	\$.68
372461	9250-222 🟵	2.2	100	0.19	650	Iron	1.59	.97	.68
372470	9250-472 🕀	4.7	70	0.55	380	Iron	1.59	.97	.68
372488	9250-103 🕀	10.0	46	1.62	220	Iron	1.59	.97	.68
372496	9250-223 🟵	22.0	41	0.96	290	Ferrite	1.59	.97	.68
372509	9250-473 🕀	47.0	27	2.11	195	Ferrite	1.75	1.07	.75
372517	9250-104 🕀	100.0	10	3.12	160	Ferrite	1.89	1.17	.82
372525	9250-224 🕀	220.0	7.5	5.0	125	Ferrite	1.89	1.17	.82
372533	9250-474 🕀	470.0	5.7	9.5	92	Ferrite	1.89	1.17	.82
372541	9250-105 🕀	1000.0	3.8	17.5	70	Ferrite	1.89	1.17	.82
372550	9250-225 🕀	2200.0	0.97	33.8	50	Ferrite	2.19	1.34	.94
372568	9250-106 🕀	10,000.0	0.47	137.0	24	Ferrite	2.35	1.44	1.01

JAMECO ValuePro

Hash RF Chokes



5200 Series Equivalents

- Low cost
- · Low DCR
- High current capacity
 Varnish coated
- Ideal for use as EMI filter, output choke, smoothing coil

	Cross	L ±10%	Res. Freq.	DCR	Current	Pricing		
Part No.	Ref. No.	(µH)	Min. (Hz)	Max. (Ω)	(mA)	1	10	100
642396	5230 ₹	4	7.96M	0.012	8.0	\$1.49	\$.92	\$.66
642409	5240 🕿	40	1.0kHz	0.082	3.0	1.49	.92	.66
681088	5250 🕿	100	1.0kHz	0.216	2.0	1.05	1.00	.69
681070	5252 🕿	125	1.0kHz	0.08	3.5	1.75	1.07	.76
642417	5254 🕿	250	1.0kHz	0.17	2.5	1.55	1.23	.88
642425	5256 🕿	500	1.0kHz	0.25	2.0	1.75	1.07	.75
642433	5258 🕿	1000	1.0kHz	0.6	1.0	1.79	1.10	.77

JAMECO ValuePro

Axial Leaded RF Chokes

4600 Series Equivalents

- · Inductive tolerance: 10%
- Operating temperature: -55°C to +125°C
- Size: A = 6.8mm max.; B = 19.0mm max.

		\oplus			D
.)	DCR Ω	IDC		Pricing	
	max.	(mA)	1	10	100
	1.2	600	\$ 77	\$ 381	\$ 333

	Cross	L (μ H) i	i Q	SRF (MHz)	DCR Ω	IDC		Pricing	
Part No.	Ref. No.	@ 1kHz	min.	min.	max.	(mA)	1	10	100
208127	4611 ↔	8.2	57	65	1.2	600	\$.77	\$.381	\$.332
208135	4612 ↔	10	36	61	1.5	500	.75	.64	.48
642345	4626 🕿	24	65	25	0.34	800	.75	.68	.58

High Current Axial RF Chokes

- · High current capacity
- · Low DCR
- Test frequency: 1kHz · Ferrite bobbin core

5800 Series Equivalents

	Lyuiva						
	Cross	L ±10%	DCR	DC Current		Pricing	
Part No.	Ref. No.	(μ H)	Max. (Ω)	Max. (A)	1	10	100
642548	5800-3R9 🕿	3.9	0.019	1.28	\$1.19	\$.72	\$.51
642556	5800-8R2 🕿	8.2	0.028	1.28	1.19	.72	.51
642564	5800-100 🕿	10	0.033	1.28	1.19	.72	.51
642572	5800-470 🕿	47	0.109	0.804	1.19	.72	.51
642581	5800-560 🕿	56	0.14	0.804	1.19	.72	.51
642599	5800-820 🕿	82	0.152	0.804	1.19	.72	.51
642601	5800-101 🗷	100	0.208	0.632	1.19	.72	.51
642610	5800-121 🕿	120	0.283	0.508	1.19	.72	.51
642628	5800-151 🕿	150	0.34	0.508	1.19	.72	.51
642636	5800-181 🕿	180	0.362	0.508	1.19	.72	.51
642644	5800-221 🕿	220	0.43	0.508	1.19	.72	.51
642652	5800-271 🕿	270	0.557	0.4	1.19	.72	.51
642661	5800-331 🕿	330	0.665	0.4	1.19	.72	.51
642679	5800-391 🕿	390	0.772	0.4	1.19	.72	.51
642687	5800-471 🕿	470	1.15	0.315	1.19	.72	.51
642695	5800-102 🕿	1000	2.30	0.200	1.19	.72	.51
642708	5800-152 🕿	1500	3.45	0.158	1.19	.72	.51
642716	5800-222 🕿	2200	4.48	0.158	1.19	.72	.51
642724	5800-472 🕿	4700	10.5	0.1	1.19	.72	.51
642732	5800-602 🕿	6800	16.3	0.082	1.19	.72	.51
642741	5800-103 🕿	10,000	26.4	0.05	1.19	.72	.51

5900 Series Equivalents

642759	5900-100 ≈	10	0.017	8.7	\$2.09	\$1.28	\$.90
642767	5900-220 🕿	22	0.026	6.07	2.09	1.28	.90
642775	5900-470 🕿	47	0.035	4	2.09	1.28	.90
642783	5900-560 🕿	56	0.037	3.66	2.09	1.28	.90
642791	5900-101 🕿	100	0.09	2.79	2.09	1.28	.90
642804	5900-121 🕿	120	0.113	2.54	2.09	1.28	.90
642812	5900-151 🕿	150	0.129	2.22	2.09	1.28	.90
642821	5900-221 🕿	220	0.162	1.89	2.09	1.28	.90
642839	5900-271 🕿	270	0.208	1.63	2.09	1.28	.90
642847	5900-331 🕿	330	0.212	1.51	2.09	1.28	.90
642855	5900-391 🕿	390	0.281	1.39	2.09	1.28	.90
642863	5900-471 🕿	470	0.38	1.2	2.09	1.28	.90
642871	5900-681 🕿	680	0.548	1	2.09	1.28	.90
642880	5900-102 🕿	1000	0.844	0.8	2.09	1.28	.90
642898	5900-152 🕿	1500	1.18	0.7	2.09	1.28	.90
642901	5900-472 🕿	4700	3.19	0.4	2.09	1.28	.90
642919	5900-682 🕿	6800	5.69	0.322	2.09	1.28	.90
642927	5900-103 🕿	10,000	7.3	0.266	3.19	1.97	1.39

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Conformal Coated RF Chokes

5300 Series Equivalents

· High current and high self-resonant frequency

Low DCR

· Low cost

· Epoxy coated to protect winding from harsh environments



	Cross	L ±10%	Res. Freq.	DCR	Current	Pricing		
Part No.	Ref. No.	(µ H)	Min. (MHz)	Max. (Ω)	Max. (mA)	1	10	100
644332	5300-03 🕿	1.5	160.0	0.019	3300	\$1.29	\$1.16	\$1.00
644341	5300-10 🗷	5.6	64.0	0.074	1600	1.29	1.16	1.00
644367	5300-13 🗷	10.0	25.0	0.095	1500	1.29	1.16	1.00
644375	5300-17 🕿	22.0	8.4	0.19	1000	1.29	1.16	1.00
642476	5300-19 🕿	33.0	7.6	0.24	910	1.29	1.16	1.00
642492	5300-25 🗷	100.0	3.9	0.67	550	1.29	1.16	1.00
642530	5300-33 🗷	470.0	1.4	3.4	240	1.29	1.16	.88

JAMECO ValuePro Epoxy Conformal Coated RF Chokes

77F Series Equivalents

· High current and self-resonant frequency

Low DCR

Low cost

· Dielectric strength: 550Vrms

Operating temp.: -55°C to +105°C

Color bands identification

· Overall length: 2.41"

· Body length: 0.41" · Lead length: 1.0"

Body diameter: 0.157"

	Cross	L ±10%	SRF (MHz)	DCR	I (mA)		Pricing	
Part No.	Ref. No.	(μ H)	(min.)	Max. (Ω)	Max.	1	10	100
371995	77F6R8 ⊕	6.8	68.0	0.48	550	\$.43	\$.39	\$.32
372007	77F100 ⊕	10.0	45.0	0.58	500	.43	.39	.32
372015	77F270 ↔	27.0	7.6	0.94	390	.43	.39	.32
372023	77F330 🕀 *	33.0	6.3	1.03	370	.43	.39	.32
372031	77F470 ⊕ *	47.0	6.3	1.22	340	.43	.39	.32
372040	77F820 ⊕ *	82.0	5.3	1.62	290	.43	.39	.32
372058	77F101 🕀 *	100.0	4.8	1.80	275	.43	.39	.32
372066	77F221 ⊕ *	220.0	3.0	5.10	155	.43	.39	.32
372074	77F331 ⊕ *	330.0	2.6	6.40	137	.43	.39	.32
372082	77F391 🕀 *	390.0	2.4	7.00	133	.43	.39	.32
372091	77F102 ⊕ *	1000.0	1.4	14.0	100	.43	.39	.32

^{*} L (µH) ±5%

78F Series Equivalents

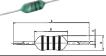
- · High Q and self-resonant frequency
- · Dielectric strength: 500Vrms
- · Color bands identification
- Operating temp.: -55°C to +105°C
- · Overall length: 2.28"
- · Low cost
- Low DCR
- Body length: 0.28"
- Body diameter: 0.11" · Lead length: 1.0"

	Cross	L ±10%	SRF (MHz)	DCR	I (mA)	Pricing		
Part No.	Ref. No.	(µH)	(min.)	Max. (Ω)	Max.	1	10	100
372103	78FR68 ⊕	0.68	250	0.12	495	\$.42	\$.26	\$.173
372111	78F1R0 ⊕	1.0	180	0.15	385	.42	.26	.173
372120	78F1R8	1.8	125	0.25	455	.42	.26	.173
372138	78F2R7 ⊕	2.7	95	0.30	355	.42	.26	.173
372146	78F3R3*	3.3	70	0.34	270	.42	.26	.173
372154	78F4R7 🏵 *	4.7	50	0.35	230	.42	.26	.173
372162	78F8R2 🏵 *	8.2	28	0.55	155	.42	.26	.173
372171	78F100 ⊕ *	10.0	22	0.72	130	.42	.26	.173
372189	78F120 ⊕ *	12.0	20	0.80	155	.42	.26	.173
372197	78F220 ⊕ *	22.0	13	1.20	140	.42	.26	.173
372200	78F270 ⊕ *	27.0	11	1.35	135	.42	.26	.173
372218	78F330 ⊕ *	33.0	10	1.50	195	.42	.26	.173
372226	78F390 ⊕ *	39.0	9.5	1.70	185	.42	.26	.173
372234	78F470 ⊕ *	47.0	8.5	2.30	167	.42	.26	.173
372242	78F101 ⊕ *	100.0	5.5	3.50	125	.42	.26	.173
372251	78F121 ⊕ *	120.0	5.4	3.80	100	.42	.26	.173
372269	78F221 ⊕ *	220.0	4.0	5.70	76	.42	.26	.173
372277	78F471 🕀 *	470.0	2.5	11.60	53	.42	.26	.173

^{*} L (μH) ±5%

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

- Operating temperature: -25°C to +85°C
- Tolerance: 5%
- Size: A = 3.2mm max. B = 7.0mm max. $C = 0.48 \pm 0.5 \text{mm}$ (except P/N 208143: $0.50\pm.05$ mm) D = 63 ± 3 mm



	L	Q	Test. Freq Res. Freq		DCR Max. DC		Pricing			
Part No.	(µH)	(min.)	(MHz)	Min. (MHz)	Max. (Ω)	Curr. (mA)	1	10	100	
208143	⊕ 10	60	7.96	28.7	1.56	670	\$.49	\$.45	\$.39	
208194	₩ 100	45	2.52	5.0	4.98	240	.49	.45	.39	
208215	₩ 330	45	0.796	2.7	13.2	140	.42	.213	.16	
208223	⊕ 470	45	0.796	2.2	21.4	120	.42	.341	.173	
208240	⊕ 1000	45	0.796	1.5	31.3	80	.49	.45	.39	

Epoxy Conformal Coated Chokes

Modem Coupling Transformers

125357:

- ±20% impedance matching and DC resistance matching
- Insulation resistance: $100M\Omega$
- Vacuum wax impregnated
- Core type: EI-14
- Hipot tested: 1000VAC

117760:

- · Dielectric strength: 1250VAC
- Insertion loss: 2.50dB @ 1kHz







	Cross	Impe	dance (Ω)	Resis	tance (Ω)	Pricing				
Part No.	Ref. No.	Primary	Secondary	Primary	Secondary	1	10	100		
125357	XFR6006A14 2	600CT	600CT	65	55	\$1.35	\$1.28	\$1.15		
117760	671-8014 🟵	600	600	108	120	1.99	1.69	1.34		

TRIAD Data Voice Coupling Transformers

- Meets requirements for access over leased private lines or through dial-up switched telephone network
- Applications: impedance matching, isolation, repeat coil, line balancing, and hybrid circuits
- Designed to meet FCC part 68.310: 60dB min.,
- 200-1000Hz; 45dB min., 1000-4000Hz
- Dielectric strength FCC68.304: 1500V Power level: -45dBm to +7dBm
 Frequency range: data voice: 300 3500Hz; data: 800 to 3500Hz

Data/Voice Coupling Transformers

Typical frequency response: ±0.5

		Impeda	$nce (\Omega)$	DC Current	Typical L	oss dB		Pricing	
Part No.	Prod. No.	Primary	Secondary	(mA) max.	Insertion	Return	1	10	100
630491	TY-303P ◆	4000	600	0	1.0	26	\$5.29	\$4.03	\$3.52
630504	TY-305P ◆	600	600	100	1.5	10	10.39	6.85	6.28
630512	TY-306P ♠	600*	600	75	1.5	10	10.39	6.85	6.28
630521	TY-307P ♠	600	600	0	1.0	26	6.09	4.01	3.68
630539	TY-400P ◆	600	600	90	1.75	15	7.95	5.22	4.78
630547	TY-401P ♠	600CT	600CT	90	1.75	15	7.95	5.22	4.78
630555	TY-402P ◆	600	600	90	1.75	13	6.55	4.32	3.96
630563	TY-403P ♠	600	600*	90	1.75	13	6.55	4.32	3.96
* Split coil									

Data/Voice Dual Transformer Hybrid

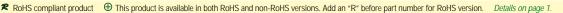
630475: Trans-hybrid loss: 50dB

630483: Trans-hybrid loss: 55dB

		Impeda	nce (Ω)	DC Current	Typical L	.oss dB	Pricing			
Part No.	Prod. No.	Primary	Secondary	(mA) max.	Insertion	Return	1	10	100	
630475	TY-300P ♠	600 (4W)	600/600	0	0.8	30	\$5.29	\$3.48	\$3.19	
630483	TY-302P ♠	600 (4W)	600/600	0	0.65	32	7.95	5.22	4.78	

We're Listening to Your Requests

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Audio Transformers, Thermistors & Varistors



Audio **Transformers**

- · Epoxy molded case
- Gold plated leads
- · Meets the rigid requirements of MIL-T-27E
- · High pot tested @ 1000Vrms
- 150VDC working voltage



		No. of	Power	Matching Impedance (Ω)		Primary DC	Resistance (Ω)		Resistance (Ω) Overall		Pricing	
Part No.	Prod. No.	Circuits	Level	Primary	Secondary	mA max.	Primary	Secondary	Turn Ratio	1	10	100
630387	SP-5♠	3	25	50,000CT	1000CT	0	3800	75	7.1:1	\$19.95	\$15.36	\$12.13
630328	SP-20 ♠	3	50	10,000CT	1200CT	1	1050	200	2.88:1	17.15	14.05	11.96
630336	SP-21 ♠	3	550	10,000CT	2000CT	1	1050	300	2.24:1	17.45	14.30	13.63
630344	SP-29 ♠	3	50	10,000CT	500CT	1	1050	80	4.47:1	18.59	14.22	12.37
630361	SP-33 ♠	1	50	1000	50	3	145	80	4.4:1	16.89	13.69	11.47
630379	SP-49 ♠	2	50	300	600	7	41	98	1:1.42	20.89	14.21	12.61
630395	SP-51 ♠	2	50	900CT	600	4	104	96	1.22:1	18.19	11.96	10.97
630408	SP-52 ♠	2	50	1500CT	600	3	168	92	1.58:1	20.25	13.76	12.21
630416	SP-66 ♠	3	50	10,000CT	10,000CT	1	1000	1300	1:1	16.09	10.60	9.72
630424	SP-70 ♠	1	50	600	600	3	72	92	1:1	16.65	10.95	10.04
630352	SP-310 ♠	_	_	0.1H	_	5	15	_	_	2.95	2.41	2.18

TRIAD **PC Mount Audio Transformers**

- · Impedance matching: 10% over frequency range
- · Applications: line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation, & input
- Size: 5/8"H x 9/32"D x 13/16"L



		Output	Impedance (Ω)		Primary DC	Pricing		
Part No.	Product No.	(mW)	Primary	Secondary	Unbalance	1	10	100
630432	TY-141P ♠	200	10,000CT	10,000CT	4mA	\$3.59	\$2.74	\$2.39
630441	TY-142P ♠	100	10,000CT	2,000CT	4mA	3.69	2.82	2.47
630459	TY-145P	100	600CT	600CT	15mA	3.65	3.09	2.62

Size: 1-1/8"H x 1-1/8"D x 1-3/8"L

		Output	Impe	Impedance (Ω)			Pricing		
Part No.	Product No.	(W)	Primary	Secondary	Unbalance	1	10	100	
630467	TY-146P ♠	1	600CT/150	600CT/150	_	\$6.65	\$5.09	\$4.42	

NTC Thermistors

- · Typical applications: temperature measurement/control/compensation;
- power supply fan control; PCB temperature monitoring
 Operating temp.: -30°C ~ +130°C
- Maximum allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

		Resistance	B Constant	Temp. Coef.			ing	
Part No.	Product No.	(Ω @ 25°C)	(25/50°C >10%)	@ 25°C (%/°C)	1	10	100	500
207521	NTC-101 ₹	100	3100	-3.5	\$.59	\$.49	\$.39	\$.32
207482	NTC-102 ⊕	1k	3800	-4.3	.59	.49	.39	.32
207440	NTC-502 ⊕	5k	3900	-4.4	.59	.49	.39	.32
207036	NTC-103 ⊕	10k	4100	-4.6	.59	.49	.39	.32
207029	NTC-153 ₹	15k	4100	-4.6	.59	.49	.39	.32
207011	NTC-203 ₹	20k	4200	-4.7	.59	.49	.39	.32
207001	NTC-503 ⊕	50k	4200	-4.7	.59	.49	.39	.32
206991	NTC-104 ₹	100k	4400	-4.9	.59	.49	.39	.32
206982	NTC-204 🗷	200k	4500	-5.1	.59	.49	.39	.32

BA Series Metal Oxide Varistor

· Bolt-down mount

· Bidirectional clamping polarity

		Max	. Ratings	(+85°C)	Chara	cteristics a	t 25°C	100	-		
BA Se	orios	Contin	uous	Transient	Var	istor Volt	age		-		
DA 3	CHICS	RMS	DC	Energy	á	at 1mA Do	2				
		Volt.	Volt.	(2ms)	Test Current						
	Cross	V _{M(AC)}	V _{M(DC)}	W _{TM}	MIN	V _{N(DC)}	MAX		Pricing		
Part No.	Ref. No.	Volts	Volts	Joules	Volts	Volts	Volts	1	1 10		
638223	V481BA60	480	640	1600	670	750	825	\$103.25 \$98.06 \$9		\$93.16	

Just Added Over 65,000 **New Products**

42 New Major Brands at www.Jameco.com



LA Series Equivalent Radial **Leaded Varistors**





* Prepackaged: please order in increments of 10

· High energy absorption

97

		Size	Continuou	is Voltage	Transient	Max	imum			
	Cross	Dia.	RMS	DC	Energy	Clamping	y Voltage		Pricing	9
Part No.	Ref. No.	(mm)	V _{M(AC)}	V _{M(DC)}	Joules	v _c	I _{PK} (A)	1	10	100
667032	V130LA2 ₹	7	130	200	17.5	340	10	*	\$.15	\$.112
667091	V150LA2 ₹	7	150	240	21	395	10	*	.13	.112
667155	V275LA2 ₹	7	275	430	40	710	10	*	.13	.112
667041	V130LA5 ₹	10	130	200	35	340	25	*	.16	.144
667067	V140LA5 ≈	10	140	220	39	360	25	*	.158	.144
667104	V150LA5 ≈	10	150	240	42	395	25	*	.15	.128
667147	V250LA10 ≈	10	250	390	70	650	25	*	.16	.144
667366	V130LA10A ≈	14	130	200	70	340	50	.21	.19	.168
667075	V140LA10A ≈	14	140	220	78	360	50	.26	.228	.198
667112	V150LA10A ≈	14	150	240	84	395	50	.26	.228	.198
667180	V320LA20A ₹	14	320	510	190	845	50	.26	.228	.198
667201	V420LA20A ₹	14	420	680	130	1120	50	.26	.228	.198
667227	V480LA40A	14	485	780	148	1290	50	.34	.308	.269
667243	V510LA40A ≉	14	510	820	157	1355	50	.49	.435	.384
667059	V130LA20B ₹	20	130	200	140	340	100	.41	.359	.313
667121	V150LA20A ₹	20	150	240	170	395	100	.41	.359	.313
667163	V275LA40A ₹	20	275	430	303	710	100	.41	.359	.313
667198	V320LA40B ≈	20	320	510	382	845	100	.37	.33	.30
667219	V420LA40B ≈	20	420	680	23	1120	100	.52	.468	.416
667235	V480LA80B ₹	20	485	780	265	1290	100	.60	.58	.52
667251	V510LA80B ≈	20	510	820	282	1355	100	.62	.55	.472

LA Series Radial Leaded Varistors

- AC power line applications Power supplies
- UL recognized as "transient voltage surge suppressors"
- UL recognized as "across-the-line components"

				Ratings	(+85°C)	Character	istics at 25°C		-40		
110	Series	Size	Conti	nuous	Transient	Max Cla	mping Volt.				
LAS	oci ics		RMS	DC	Energy	@ I _{PK} \	'alue Curr.				
		Disc	Volt.	Volt.	(10/1000µs)	(8/	20μs)	3444	6	34462	2
	Cross	Dia.	V _{M(AC)}	V _{M(DC)}	W _{TM}	V	I _{PK} =2.0A		Pri	icing	
Part No.	Ref. No.	(mm)	Volts	Volts	Joules	Volts	Amps	1	10	100	500
34446	V130LA10A	14	130	175	38	340	50	\$.30	\$.252	\$.186	\$.167
34471	V250LA20A ⊕	14	250	330	72	650	50	.39	.35	.32	.30
34462	V130LA20A	20	130	175	70	340	100	.59	.56	.54	.52

Illumination ZA Series Radial Leaded Varistor

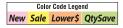
· Through-hole mount

· Bidirectional clamping polarity

			Max.	Ratings	(+85°C)	Characteris	stics at 25°C			
ZA Se	rios	Size	Conti	nuous	Transient	nt Maximum Clamping				
LA JC	1103		RMS	DC	Energy	Vol	tage	1	11/2	
		Disc	Volt.	Volt.	(10/1000µs)	(8/2	!0μs)	2.		
	Cross	Dia.	V _{M(AC)}	V _{M(DC)}	W_{TM}	V _C	I _{PK}	Pricing (100 pcs. m	ninimum)
Part No.	Ref. No.	(mm)	Volts	Volts	Joules	Volts	Amps	100	250	500
638231	V68ZA2 ♠	7	40	56	3	127	5	\$.204	\$.194	\$.18

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for RoHS version.

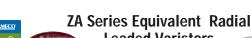


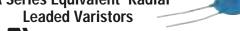
RoHS Compliant Product RoHS Also Available

Color Code Legend New Sale Lower\$ QtySave

* Prepackaged: please order in increments of 10







* Prepackaged: please order in increments of 10

	Cross	Size Dia.	RMS	is Voltage DC	Transient Energy		imum y Voltage		Pricin	g
Part No.	Ref. No.	(mm)	V _{M(AC)}	V _{M(DC)}	Joules	v _c	I _{PK} (A)	1	10	100
667358	V18ZA05 ≉	5	11	18	0.3	40	1	*	\$.15	\$.128
666785	V22ZA05 ≈	5	14	22	0.4	80	1	.20	.166	.128
666831	V27ZA05 ≈	5	17	27	0.5	60	1	*	.13	.112
666996	V220ZA05 ≈	5	140	220	4.5	380	5	.25	.221	.192
667008	V330ZA05 ≈	5	210	330	6.5	580	5	.25	.221	.192
667016	V390ZA05 ≈	5	250	390	8	675	5	.23	.203	.182
667382	V18ZA1 ≉	7	11	18	0.8	36	2.5	*	.15	.128
666793	V22ZA1 ₹	7	14	22	0.9	43	2.5	.20	.166	.128
666873	V56ZA2 ₹	7	35	56	2.2	110	2.5	*	.13	.112
666890	V68ZA2 ₹	7	40	68	2.5	135	2.5	*	.13	.112
666961	V180ZA1 %	7	115	180	8	300	10	.20	.166	.128
666751	V18ZA2 ≉	10	11	18	1.5	36	5	*	.16	.144
666806	V22ZA2 ₹	10	14	22	2.04	43	5	*	.16	.144

	Cross	Size Dia.	Continuou RMS	is Voltage DC	Transient Energy		imum Voltage		Pricing	g
Part No.	Ref. No.	(mm)	V _{M(AC)}	V _{M(DC)}	Joules	V _C	I _{PK} (A)	1	10	100
666865	V47ZA3 ₹	10	47	38	4.5	93	5	*	\$.16	\$.144
666902	V68ZA3 ₹	10	40	68	6.5	135	5	*	.16	.144
666929	V82ZA4 ₹	10	50	82	8	135	25	.29	.253	.224
666970	V180ZA5 ≈	10	115	180	18	300	25	*	.158	.144
666769	V18ZA3 ₹	14	11	18	3.5	36	10	.26	.228	.198
666814	V22ZA3 ₹	14	14	22	4	43	10	.33	.294	.256
666857	V47ZA7 ≈	14	30	47	8.5	93	10	.26	.228	.198
666881	V56ZA8 ₹	14	35	56	10	110	10	.26	.228	.198
666911	V68ZA10 ≉	14	40	68	12	135	10	.26	.228	.198
666937	V82ZA12 ≈	14	50	82	14	135	50	.33	.294	.256
666945	V100ZA15 ≈	14	60	100	18	165	50	.26	.228	.198
666988	V180ZA10 ≈	14	115	180	30	300	50	.26	.228	.198
666777	V18ZA40 ≉	20	11	18	10	36	_	.41	.359	.313
666822	V24ZA50 ≈	20	14	22	13	43	_	.41	.356	.313
666849	V47ZA20 ≉	20	30	68	30	93	_	.41	.359	.313
666953	V150ZA20 ≈	20	95	150	50	250	_	.33	.292	.256

54 Littelluse

• 250V

• 1.25"L x 0.25"Dia.

UL/CSA/CE

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MATE -		- 24	=
200			_
	3AG-31	2	

313 Series (Cont.)



Glass and Ceramic Fuses

3AG Type Fast Acting Glass Fuses 312 Series

Part No.	Product No.	Amps	1	10	100	Pa
652826	312.062HXP ≉	1/16	\$.75	\$.66	\$.60	6!
652834	312.100HXP ≉	1/10	75	.67	.60	6!
652842	312.125HXP ₹	1/8	79	.77	.60	6
652851	312.175HXP ₹	0.175	69	.65	.60	6!
652869	312.187HXP ≉	3/16	75	.67	.60	6!
652877	312.200HXP ₹	2/10	66	.63	.60	6
652885	312.250HXP ₹	1/4	79	.76	.73	6
652893	312.300HXP ≉	3/10	79	.76	.65	6!
652906	312.375HXP ₹	3/8	34	.295	.266	6
652914	312.500HXP ₹	1/2	31	.298	.284	6
652922	312.600HXP 	6/10	23	.209	.185	65
652931	312.750HXP ₹	3/4	23	.209	.183	65
652949	312001.HXP ₹	1	25	.223	.19	65
652957	3121.25HXP ≉	1¼	23	.197	.186	6
652965	31201.5HXP ≉	11/2	24	.223	.19	6
652973	312002.HXP ₹	2	22	.197	.186	65
652981	312025.HXP ≉	21/2	24	.223	.19	65
652990	312003.HXP ₹	3	23	.197	.186	65
653001	312004.HXP ₹	4	23	.209	.187	65
653010	312005.HXP ≈	5	23	.209	.187	6
653028	312006.HXP ₹	6	23	.209	.185	6
653036	312007.HXP ₹	7	23	.209	.189	65
653044	312008.HXP ≈	88	31	.276	.257	65
653052	312010.HXP ≈	10	31	.276	.257	65

3AG Type Slow Blow Glass Fuses 313 Series

Part No.	Product No.	Amps	1	10	100
653263	313.010HXP ₹	1/100	\$1.95	\$1.72	\$1.56
653271	313.031HXP ₹	1/32	1.95	1.72	1.56
653280	313.040HXP ₹	4/100	1.95	1.72	1.56
653298	313.062HXP ₹	1/16	1.10	.97	.88
653301	313.100HXP ₹	1/10	1.65	1.56	1.44
653319	313.125HXP ₹	1/8	1.65	1.56	1.43
653327	313.150HXP ₹	15/100	1.65	1.56	1.45
653335	313.187HXP ₹	3/16	94	.92	.86
653343	313.200HXP ₹	2/10	89	.84	.77
653351	313.250HXP ₹	1/2	95	.91	.85

3AG-313 3AG Type Slow Blow Glass Fuses

Part No.	Product No.	Amps 1	10	100
653360	313.300HXP ₹	3/10 \$.95	\$.92	\$.85
653378	313.375HXP ₹	3/8 95	.91	.85
653386	313.400HXP ₹	4/10 96	.92	.85
653394	313.500HXP ₹	1/2 89	.89	.84
653407	313.600HXP ₹	6/10 .89	.89	.84
653415	313.700HXP ₹	7/10 .89	.89	.84
653423	313.750HXP ₹	3/4 89	.89	.84
653431	313.800HXP ₹	8/10 .89	.89	.84
653440	313001HXP ₹	1	.85	.81
653458	31301.2HXP ₹	1 ² / ₁₀	.68	.64
653466	3131.25HXP ₹	1	.66	.63
653474	31301.5HXP ₹	1	.68	.64
653482	31301.6HXP ₹	1 1/1055	.47	.425
653491	313002HXP ₹	2	.85	.81
653503	31302.5HXP ₹	2 69	.68	.58
653511	313003HXP ≈	3 69	.68	.58
653520	31303.2HXP ₹	3 ² / ₁₀	.68	.58
653538	313004HXP ≈	4	.77	.74
653546	313005HXP ≈	5 85	.79	.74
653554	3136.25HXP ₹	6¼ 85	.79	.74
653562	31306.3HXP ₹	6¾ ₁₀ 59	.56	.50
653571	313007HXP ≈	7	.79	.73
653589	313008HXP ₹	8 85	.79	.74
653597	313010HXP ≈	10 99	.98	.93
653600	313012HXP ≈	12 99	.98	.93
653618	313015HXP ₹	15 99	.98	.93
653626	313020HXP ≈	20 .71	.64	.59
653634	313025HXP ≈	25 1.09	1.00	.94
653642	313030HXP ≈	30 1.05	1.00	.94

3AB Type Fast Acting Ceramic Fuses 314 Series

Part No.	Product No.	Amps	1	10	100
656827	314.125HXP ₹	1/8 \$	1.09	\$1.05	\$1.00
656835	314.250HXP ₹	1/4	1.09	1.05	1.00
656843	314.500HXP ₹	1/2	75	.73	.70
656851	314.750HXP ₹	3/4	88	.80	.76
656860	314001HXP ₹	1	69	.68	.63

3AB Type Fast Acting Ceramic Fuses 314 Series (Cont.)

Part No.	Product No.	Amps 1	10	100
656878	314002.HXP ₹	2 \$.69	\$.68	\$.64
656886	314003.HXP ₹	3 69	.68	.63
656894	314004.HXP ₹	4	.64	.63
656915	314005.HXP ₹	5 69	.68	.63
656923	314006.HXP ₹	6 69	.68	.63
656931	314007.HXP ₹	7 69	.68	.63
656940	314008.HXP ₹	8 69	.68	.63
656958	314010.HXP ₹	10 .69	.68	.63
656966	314012.HXP ₹	12 69	.68	.63
656974	314015.HXP ₹	15 69	.68	.63
656982	314020.HXP ₹	20 1.05	1.00	.92
656991	314025.HXP ₹	25 1.05	1.00	.92
657002	314030.HXP ₹	30 1.05	1.00	.92

Fuse Series





ATO® 257 Series

- Fast acting and Slo-Blo® type fuses
- · Standard for automobiles & trucks

FLNR Fuses

· Dual-element, time-delay • 250VAC

AC Midget — KLK Series

· For use in circuits w/ high AC fault current capacity

Class CC — CCMR Series

· Fast acting protection to equipment containing surge sensitive components

ATO® In-Line Fuse holders

- · For use with ATO® Fuses 1-20A
- Supplied with (2) 4" wire leads/16AWG

LR60060-3 Class R Fuse holder

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Littelfuse Offering at www.Jameco.com/Prod/LittelFuse

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.



EGE

Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

RA Series

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min. Thickness (E): 3.1mm max.





Fig. 1

Fig. 2

		Hold Curr.	Trip Curr.		5	Size (mr	n)	Pricing			
Part No.	Mfg. P/N	(I _H , A)	(I _T , A)	Fig.	Α	В	С	1	10	100	500
199815	RA010-60 2	0.10	0.20	1	7.4	12.7	5.1	\$.45	\$.41	\$.39	\$.31
199831	RA020-60 ⊕	0.20	0.40	1	7.4	12.2	5.1	.45	.41	.39	.31
199850	RA025-60 2	0.25	0.50	1	7.4	12.7	5.1	.45	.41	.39	.31
199858	RA030-60 🕿	0.30	0.60	1	7.4	13.0	5.1	.45	.41	.39	.31
199866	RA040-60 🕿	0.40	0.80	1	7.6	13.5	5.1	.49	.44	.41	.32
199874	RA050-60 🕿	0.50	1.00	1	7.9	13.7	5.1	.49	.46	.43	.32
199882	RA065-60 🕿	0.65	1.30	1	9.7	14.5	5.1	.50	.47	.43	.34
199890	RA075-60 ⊕	0.75	1.50	1	10.4	15.2	5.1	.54	.49	.389	.292
199903	RA090-60 🕿	0.90	1.80	1	11.7	15.8	5.1	.52	.49	.45	.30
199912	RA110-60 🕿	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40
199938	RA160-60 🕿	1.60	3.20	2	16.3	21.3	5.1	.60	.57	.54	.42
199945	RA185-60 ⊕	1.85	3.70	2	17.8	22.9	5.1	.47	.44	.36	.32
199953	RA250-60 ⊕	2.50	5.00	2	21.3	26.4	10.2	.68	.63	.56	.42

Fuse Clips

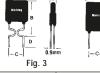
- Low contact resistance
 Low profile
- · Withstands shock/vibration
- · Prepackaged: please order in increments of 10



Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102859	5mm, front leads ⊕	1	.37 x .25 x .21 x .19	. \$.12	\$.09	\$.05
119280	5mm, side leads ⊕	2	.33 x .25 x .20 x .21	09	.08	.07
102841	1/4", front leads (10A) ⊕	3	.32 x .27 x .25 x .23	09	.08	.07
220733	5mm, front leads (10A) 🕿	3	.33 x .27 x .25 x .29	15	.10	.07

RB Series

- Rated voltage: (V_{MAX}): 30V
 Max. current (I_{MAX}): 40A
 Lead length (D): 7.6mm min. Thickness (E): 3.0mm max.





		Hold Curr. Trip Curr.			Size (mm)			Pricing			
Part No.	Mfg. P/N	(I _H , A)	(I _T , A)	Fig.	Α	В	С	1	10	100	500
199989	RB090-30 🕿	0.90	1.80	3	7.4	12.2	5.1	\$.48	\$.43	\$.35	\$.26
199997	RB110-30 🕿	1.10	2.20	3	7.4	14.2	5.1	.48	.43	.39	.31
200003	RB135-30 🕿	1.35	2.70	3	8.9	13.5	5.1	.48	.46	.43	.34
200030	RB185-30 🕿	1.85	3.70	3	10.2	15.7	5.1	.48	.43	.39	.32
200046	RB300-30 🕿	3.00	6.00	4	11.4	17.3	5.1	.57	.52	.48	.37
200062	RB500-30 🗷	5.00	10.00	4	14.0	24.9	10.2	.67	.60	.54	.44

Committed to You

We're committed to providing you with the best service in the industry.



102825

JAMECO ValuePro

Panel Mount Fuse Holders

11/4" x 1/4" Standard Thumbscrew Cap

Straight solder terminal; 10A @ 250VAC



Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120994	- ₹	1.95"L x .71"Dia.	.58"Dia. (Double D-style)	\$.79	\$.69	\$.55	\$.49
18703	UL/CSA 🕿	2.05"L x .71"Dia.	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.15	.99

5mm x 20mm Miniature Thumbscrew Cap

• Straight solder terminal; Size: 1.5"L x 0.6"Dia.

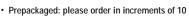
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Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150463	_⊕	6A @ 250VAC	.50"Dia. x .43"Flat \$.9	99	\$.86	\$.75	\$.57
102825	UL/CSA 🕿	10A @ 250VAC	.50"Dia	99	.85	.72	.59

JAMECO ValuePro 11/4" x 1/4" Standard Fuses

Fast Acting Fuses (250V) AGC/3AG Fuses



Part No.	Amps	Cross Ref.	10	100	1000
69403	250mA ⊕	AGC-250mA	\$.20	\$.18	\$.16
10410	500mA ⊕	AGC-1/2	20	.18	.16
10372	1A ⊕ o	AGC-1	20	.12	.11
197528	1.6A ⊕	AGC-1.6	20	.12	.11
10382	2A 🕿	AGC-2	20	.12	.11
197536	2.5A ⊕	AGC-21/2	26	.12	.10
69438	3A ⊕ ⊙	AGC-3	20	.12	.11
197544	4A ⊕	AGC-4	22	.20	.18
10401	5A ⊕	AGC-5	22	.20	.18
197552	6.3A ⊕	AGC-6.3	22	.20	.18
69462	10A ⊕	AGC-10	25	.22	.20
186301	16A ⊕	—	25	.22	.20

Slow Blow Fuses (250V) MDL/3AG Fuses

(,					
Part No.	Amps	Cross Ref. 75 1	10	100	1000
25654	250mA ⊕	MDL-1/4 \$.62	\$.56	\$.446	\$.335
25689	500mA ⊕	MDL-1/269	.59	.50	.37
25638	1A ⊕	MDL-169	.59	.50	.37
25646	2A ⊕	MDL-255	.44	.34	.28
69534	3A ⊕ o	MDL-355	.44	.34	.28
25671	5A ⊕	MDL-555	.44	.34	.28
69570	10A 🗷	MDL-10 75	.65	.51	.40
A Rhua Part N	n = Limited Ω	uantity Δyailahla			

JAMECO ValuePro 5mm x 20mm Mini Fuses

Fast Acting Fuses (250V) GMA Fuses

· Recommended for new designs

Prepackaged: please order in

incremer	its of Tu					
Part No.	Amps	Cross Ref.	10	100	500	1000
103887	250mA ≉	GMA-250mA	\$.20	\$.15	\$.11	\$.10
102040	500mA ↔	GMA-500mA	.20	.15	.11	.10
103907	1A ⊕	GMA-1	20	.15	.11	.10
103916	2A 🕿	GMA-2	25	.18	.13	.12
102024	2 / 🖘	CMM 2	20	15	11	10

Slow Blow Fuses (250V) GMD Fuses

· Prepackaged: please order

5A **⊕**

in incre	ments of 10			F	
Part No.	Amps	Cross Ref.	10	100	1000
197501	500mA ⊕	GMD-500mA	\$.29	\$.26	\$.23
197464	1A ⊕	GMD-1	29	.26	.23
197472	2A ⊕	GMD-2	35	.32	.29
197482	3.15A ≈	GMD-3.15	35	.32	.29
197499	5A ⊕	GMD-5	35	.32	.29

102832

5mm x 20mm Miniature Low Profile Fuse Holder

- Accepts 5 x 20mm fuses 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- · D-style mounting hole: 1 ea. 0.5"Dia x .46" flat Part No. Fuse holder UL/CSA ⊕ \$1.95





\$1.79

\$1.59

.15 .11

In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- · Wire color: red; except for P/N 108784 orange

11/4" x 1/4" Standard

		Wire	Body	Body			
Part No.	AWG	Lgths S	Size(L)	Color	1	10	100
109322	22 🗷	3.5/3"	2.4"	Blk \$.	65	\$.58	\$.52
102868	20 🗷	3/3"	2.2"	Wht	65	.58	.48
151918	18 🗷	6/6"	2.4"	Wht	99	.85	.65
108784	16 %	21/26"	2.2"	Blk	99	.87	.68
108791	14 ↔	19/25"	2.5"	Blk 1.	59	1.45	1.05

5mm x 20mm Miniature

		Wire	Body			
Part No.	AWG	Color	Size (L)	1	10	100
109330	20 ↔	Red	1.8"	\$.69	\$.56	\$.42

5mm x 20mm Fast Acting Fuse Kit

- · Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127/BS4265/ **CEE4** specifications
- · 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

vallamem

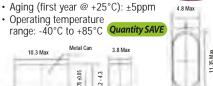
EXCLUSIVE

SMD HC49US Crystals

The CSM-7 is an excellent choice for SMD version of the CHC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

Frequency stability: ±100ppm

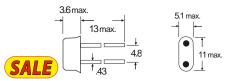
· Drive level: 0.5mw



Part No.	Product No.	Freq. (MHz)	Imped.	1	10	100
325868	JVP-325868 ↔	3.579545	17pF	\$.83	\$.70	\$.53
325876	JVP-325876 ⊕	3.6864	20pF	.85	.72	.60
325892	JVP-325892 ⊕	6.0	32pF	.83	.70	.525
325905	JVP-325905 ⊕	7.3728	20pF	.83	.70	.525
325913	JVP-325913 ⊕	8.0	18pF	.85	.72	.54
325921	JVP-325921 ↔	12.0	20pF	.83	.70	.525
325930	JVP-325930 ⊕	14.31818	20pF	.83	.70	.525
325956	JVP-325956 ⊕	18.432	20pF	.83	.70	.525
325964	JVP-325964 ⊕	19.6608	20pF	.83	.70	.525
325981	JVP-325981 ↔	24.0	20pF	.83	.70	.525

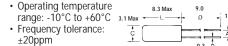
HC49/S Case (Low Profile Crystals)

- · Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10°C to +60°C
- Drive level: 0.5mW (fundamental frequency)
- Aging: ±5ppm/year max.
- Frequency stability tolerance: ±50ppm



		Freq.		Max.	Pri	cing
Part No.	Comparable:	(MHz)	Imped.	Resist.	1	10
137816	CY3.57LP	3.579545	17pF	150Ω	\$.43	\$.353
137832	CY4LP	4.000	17pF	120Ω	.99	.89
137859	CY8LP ⊕	8.000	Series	60Ω	.63	.57
137875	CY11.05LP	11.0592	Series	50Ω	1.05	.81
137891	CY16LP ⊕	16.000	Series	40Ω	.35	.32

Tuning Fork



- · Drive level: 1mw
- Aging for first year: ±3ppm (max. +25°C)
- Frequency: 32.768kHz

14584 CY32.76 10.5pF \$.89 \$.79 \$.69	
14364 0132.70 10.5pi 4.07 4.77 4.07	\$.52
325243 JVP-325243 ⊕ 12.5pF .24 .219 .15	.142

JAMECO ValuePro Ceramic Resonators

The ZTA series ceramic resonator offers wide frequency range and extended temperature range capabilities.

- Frequency accuracy: ±0.5% @ 25°C
- Wide frequency range
- · High stability Extended temperature range: -20°C to +85°C
- Temperature stability: ±0.3% Low profile
- Aging for 10 years: ± 0.3% Drive level: 0.5mw
- Withstanding voltage (5 sec.): 100V max.



Resonant resistance: 30Ω max.

		Freq.			Pricing	
Part No.	Comparable to:	(MHz)	Pins	1	10	100
324591	TZTA-3M58MG ↔	3.58	2	\$.28	\$.255	\$.191
324611	TZTA-4.19MG ↔	4.19	2	.38	.319	.239
324700	TZTT-4.19MG ⊕	4.19	3	.42	.355	.266
324620	TZTA-6.00MT ⊕	6.0	2	.28	.26	.195
324718	TZTT-6.00MT ⊕	6.0	3	.31	.284	.213

Resonant resistance: 25Ω max.

		Freq.		Pricing		
Part No.	Comparable to:	(MHz)	Pins	1	10	100
324638	TZTA-8.00MT ↔	8.0	2	\$.28	\$.26	\$.195
324566	TZTA-12.00MT ⊕	12.0	2	.28	.255	191
324654	TZTT-12.00MT ↔	12.0	3	.32	.292	.234

Resonant resistance: 55Ω max.

		Freq.		Pricing		
Part No.	Comparable to:	i (MHz)	Pins	1	10	100
324574	TZTA-16.00MT ↔	16.0	2	\$.28	\$.255	\$.191
324662	TZTT-16.00MT ↔			.32	.288	.23
324582	TZTA-20.00MT ↔	20.0	2	.29	.259	194
324671	TZTT-20.00MT ⊕	20.0	3	.32	.288	.23

JAMECO ValuePro Crystal Oscillator Socket

- · Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins • 8-pin
- Good for prototyping and PCB mounting

Part No.	Description	1	10	100	1000
676385	Half can size 2	\$.51	\$.434	\$.314	\$.272



JAMECO ValuePro TTL Oscillators (Half Can)

Specifications:

- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 676385, below left
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



325497

PIN 1	4⊕	30 Max. (7.62)
⊕8	5 4 €	(7.62)
→.30 Max (7.6	2)	EXCLUSIVE

Pin#	Function
1	N/C
4	GND
5	Output
8	+5VDC

	Frequency	Max. Input	Rise Fall		Pricing	
Part No.	(MHz)	Current	Time	1	10	100
325500	3.579545 ↔	15mA	10ns	\$1.75	\$1.58	\$.99
325518	3.6864 🕀	15mA	10ns	1.35	1.22	.92
325526	4.0 ⊕	15mA	10ns	1.32	1.21	.90
325534	5.0688 🏵	15mA	10ns	1.32	1.21	.90
325542	6.0 ⊕	15mA	10ns	1.32	1.21	.90
325551	6.144 🕀	15mA	10ns	1.32	1.21	.90
325569	8.0 ⊕	30mA	10ns	1.45	1.33	.99
325577	9.216 🕀	30mA	10ns	1.32	1.21	.90
325585	9.8304 🕀	30mA	10ns	1.35	1.22	.92
354829	10.0 ⊕≎	25mA	5ns	1.35	1.27	1.01
325593	11.0592 🕀	30mA	10ns	1.35	1.22	.92
325606	12.0	30mA	10ns	1.35	1.22	1.17
325614	14.31818 ⊕	30mA	10ns	1.35	1.22	.92
325622	16.0 ↔	30mA	10ns	1.35	1.22	.92
325631	16.257 🕀	30mA	10ns	1.35	1.22	.92
325649	18.432	30mA	10ns	1.75	1.59	.98
325657	19.6608 🕀	30mA	10ns	1.35	1.22	.92
325665	20.0 🕀	30mA	10ns	1.35	1.22	1.01
325673	25.0 🕀	70mA	5ns	1.35	1.22	.92
325681	28.322 ⊕	70mA	5ns	1.35	1.22	.92
325690	30.0 ↔	46mA	5ns	1.35	1.22	.92
325702	32.0 ↔	70mA	5ns	1.35	1.22	.92
325711	32.514 🟵	70mA	5ns	1.35	1.22	.92
	40.0 ↔	70mA	5ns	1.41	1.29	1.16
	48.0 ↔	70mA	5ns	1.49	1.34	1.01
325745	64.0 ↔	70mA	5ns	1.35	1.22	1.10

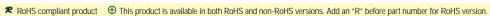
325471 1.2288 ⊕ 15mA 10ns 1.20 1.09 82 325489 1.8432 15mA 10ns 1.38 1.27 .95	Other Manufacturers									
325489 1.8432 15mA 10ns 1.38 1.27 .95	325462	1.0	15mA	10ns	\$1.35	\$1.22	\$.96			
	325471	1.2288 🕀	15mA	10ns	1.20	1.09	.82			
	325489	1.8432	15mA	10ns	1.38	1.27	.95			
325497 2.0 ⊕ 25mA 5ns 1.21 1.10 (.83	325497	2.0 ↔	25mA	5ns	1.21	1.10	.83			
102779 10.0 45mA 6ns 1.45 1.31 1.04	102779	10.0	45mA	6ns	1.45	1.31	1.04			

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TTL Oscillators (Full Can)

Specifications:

Part No.

325411

- **Quantity SAVE** • Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006, web
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



Pin#	Function
1	N/C
7	GND
8	Output
14	+5VDC
	1 7 8

10 100

\$.81

EXCLUSIVE

JAMECO TTL Oscillators (Full Can)

Frequency Input (MHz) Current

3.579545⊕! 15mA

Max.

Rise Fall

Time

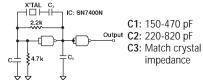
10ns

\$1.19 \$1.08

325411	3.579545⊕	15mA	10ns	\$1.19	\$1.08	\$.81
325315	3.6864⊕	15mA	10ns	1.25	1.15	1.13
354888	4.0⊕≎	15mA	10ns	1.35	1.22	1.17
325323	5.0⊕	15mA	10ns	1.19	1.08	.81
325260	6.0⊕	15mA	10ns	1.19	1.08	.81
325278	6.144⊕	15mA	10ns	1.19	1.08	.81
325358	7.3728⊕	15mA	10ns	1.55	1.37	.87
354897	8.0%	30mA	10ns	1.35	1.22	1.17
325331	9.216⊕	30mA	10ns	1.19	1.08	.81
325366	9.8304⊕	30mA	10ns	1.19	1.08	.81
354870	11.0592⊕	30mA	10ns	1.35	1.15	.87
354837	14.31818⊕	30mA	—	1.21	1.09	.87
354845	16.0⊕	30mA	10ns	1.35	1.10	.87
325286	16.257⊕	30mA	10ns	1.19	1.08	.81
325340	18.0⊕	30mA	10ns	1.19	1.08	.81
325382	18.432⊕	30mA	10ns	1.19	1.08	.81
325446	19.6608⊕	30mA	10ns	1.19	1.08	.81
354917	20.0⊕	30mA	10ns	1.35	1.22	1.17
325391	24.0⊕	70mA	10ns	1.19	1.08	.81
325454	25.0⊕	70mA	5ns	1.19	1.08	.81
325403	28.322⊕	70mA	5ns	1.19	1.08	.81
325438	30.0⊕	70mA	5ns	1.19	1.08	.81
325294	35.0⊕	70mA	5ns	1.19	1.08	.81
354861	40.0⊕	70mA	5ns	1.29	1.16	.93
354853	50.0⊕≎	70mA	5ns	1.25	1.12	.89
	0ther	Manu	ıfact	urers		
27861	1.0	7mA	15ns	\$2.49	\$2.20	\$1.43
325307	1.2288⊕	15mA	10ns	1.07	.97	.73
27879	1.8432	7mA	15ns	2.39	2.15	1.95
27924	2.0	7mA	15ns ⁴	1.99	1.09	.82
27967	4.0	7mA	10ns	1.99	1.79	1.59
27991	8.0	15mA	15ns	1.99	1.79	1.59
27887	10.0	15mA	10ns	1.99	1.79	1.59
27895	12.0	15mA	10ns	1.31	1.21	.98
27908	16.0	15mA	10ns	1.25	1.12	.84
27932	20.0	17mA	10ns	1.79	1.61	1.21
76822	33.0	18mA	6ns	1.99	1.79	1.59
153226	40.0	18mA	6ns	1.05	.96	.87
76831	50.0	25mA	6ns	1.25	1.13	1.02
325420	66.666⊕	70mA	5ns	1.22	1.12	.99

Crystals

- Frequency calibration tolerance: ±50ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0mW maximum
- Shunt capacitance: 7pF maximum
- Frequency stability tolerance: ±50ppm from -10°C to +60°C





Application Reference (4~14MHz) (parallel resonance)

HC33/U Case

	Frequency			Pricing			
Part No.	(MHz)	Impedance	1	10	100		
14349	1.0	13pF	\$4.95	\$4.49	\$3.95		
JAMECO ValuePro HC49/U (HC18/U) Case							

HC49/U (HC18/U) Case								
324283	2.0⊕	Series	\$.94	\$.85	\$.64			
324275	2.0⊕	20pF	.99	.89	.79			
324312	2.5⊕	Series	.78	.71	.53			
324321	3.0⊕	Series	.78	.71	.53			
324347	3.6864⊕	18pF	.31	.284	.213			
324363	4.0⊕	Series	.31	.284	.274			
324355	4.032⊕	20pF	.32	.288	.216			
324401	4.9152⊕	Series	.32	.272	.204			
324380	4.9152⊕	20pF	.31	.284	.213			
324427	5.0⊕	Series	.31	.284	.213			
324419	5.0⊕	20pF	.31	.284	.213			
324443	5.185⊕	32pF	.31	.284	.213			
324460	6.0⊕	Series	.31	.284	.213			
324451	6.0⊕	32pF	.31	.284	.213			
324478	6.5536⊕	12pF	.31	.284	.213			
324486	7.68⊕	20pF	.31	.284	.213			
324494	8.0⊕	18pF	.34	.289	.217			
324507	8.0⊕	20pF	.31	.284	.274			
324515	8.0⊕	32pF	.31	.284	.213			
324531	9.216⊕	Series	.31	.284	.213			
	Other Manufacturers							

Other Manufacturers								
102613	1.8432	18pF	\$.99	\$.91	\$.68			
102621	2.0₩	Series	.78	.75	.73			
101274	2.4576⊕	32pF	.72	.60	.45			
14525	3.2768⊕	18pF	.63	.57	.50			
14533	3.579545	18pF	.40	.37	.29			
14568	3.6864	18pF	.28	.256	.23			
14592	4.0	20pF	.59	.54	.41			
14621	4.9152	Series	.28	.256	.23			

JAMECO ValuePro HC49/US Low Profile Case

324988	3.6864⊕	18pF	\$.37	\$.332	\$.272
324961	4.0⊕	20pF	.36	.325	.31
324937	4.096⊕	20pF	.36	.324	.243
324831	7.3728⊕	20pF	.46	.397	.298
324822	7.3728⊕†	20pF	.62	.57	.43
324814	7.68⊕	20pF	.36	.324	.243
324806	8.0⊕	18pF	.36	.324	.243
324785	8.0⊕	20pF	.36	.324	.243
324777	8.0⊕	32pF	.36	.324	.243
324742	9.216⊕	Series	.36	.324	.243

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RoHS compliant product

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This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Quantity SAVE EXCLUSIVE Dimensions in millimeters 12.34 19.23 max 19.68 38.10 max HC33/U Case

.05	0.43		
4.88	38.10	13.46 max	

HC49/US

4.8	38.10 13.46 max	
Н	C49/U (HC18/U) Case	Lov

(HC18/U) Case	Low Proffle Case
HC49/U (HC18/	U) Case (Continue

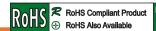
HC49/U (HC18/U) Case (Continued)					
	Frequency			Pricing	
Part No.	(MHz)	Impedance	1	10	100
324734	9.8304⊕	20pF	\$.36	\$.324	\$.243
325227	11.0592⊕	20pF	.36	.324	.243
324523	9.216⊕	20pF	.31	.284	.213
324540	9.9304⊕	20pF	.31	.284	.213
324128	11.0592⊕	Series	.31	.284	.213
324110	¦11.0592⊕	32pF	\$.31 .22	.199	.175
324136	11.52⊕	Series	.31	.284	.213
324144	¦11.98135⊕	Series	.31	.284	.213
324152	12.288⊕	20pF	.31	.284	.249
324161	13.5168⊕	Series	.31	.284	.213
324179	14.31818⊕	Series	.31	.284	.213
324187	14.7456⊕	20pF	.31	.284	.213
324195	14.7456⊕	Series	.31	.284	.213
324208	16.0⊕	20pF	.32	.272	.204
324216	18.0⊕	20pF	.31	.284	.213
324232	18.432⊕	20pF	.31	.284	.274
324241	19.6608⊕	20pF	.31	.284	.213
324259	19.6608⊕	Series	.31	.284	.213
324267	20.0⊕	20pF	.31	.284	.274
324304	22.1184⊕	Series	.31	.284	.213
324339	35.2512⊕	18pF	.31	.284	.213
324398	49.86⊕	20pF	.31	.284	.213
Other Manufacturers					
14681	6.0	18pF	\$.28	\$.256	\$.23

Other Manufacturers							
14681	6.0	18pF	\$.28	\$.256	\$.23		
539743	6.176	18pF	.28	.26	.24		
14710	7.3728	30pF	.28	.256	.23		
14728	8.0	Series	.32	.292	.219		
14381	10.0	Series	.79	.69	.59		
120061	11.0592	Series	.80	.71	.68		
14402	12.0	Series	.80	.68	.50		
537799	14.31818	Series	.28	.26	.24		
14453	16.0	Series	.68	.61	.458		
14517	20.0	Series	.79	.69	.59		

HC49/US Low Profile Case (Cont.)						
325219	11.0592⊕	32pF	\$.36	\$.324	\$.243	
325201	12.0⊕	20pF	.46	.414	305	
325198	12.0 ⊕†	20pF	.62	.57	.43	
325180	12.0⊕	32pF	.36	.324	.243	
325171	12.288⊕	20pF	.36	.323	.242	
325112	18.432⊕	20pF	.39	.356	.32	
325104	18.432 ⊕†	20pF	.62	.57	.43	
325068	20.0%	20pF	.36	.325	.31	
325059	20.0⊕†	20pF	.62	.57	.43	
325024	24.0⊕	20pF	.62	.57	.43	
325016	24.576⊕	20pF	.36	.324	.243	

† Industrial temperature range (-40°C to 85°C)

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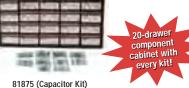




Color Code Legend New Sale Lower\$ QtySave

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion

Each kit includes a 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319610), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.



 Cabinet size: 6.0"L x 15.0"W x 7.9"H Drawer size: 5.5"L x 2.7"W x 1.5"H

· Cabinet: ABS-Black Weight: 4.6 to 6.4 lbs

· Cabinet is wall-mountable or free standing

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.





81832 (Resistor Kit)

Radial Electrolytic Capacitor Kit

SAVE \$10

SAVE \$31

SAVE \$10

Includes 240 pcs. (15 values) ±20% Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 e	ach
100μF @ 50)V 1000μF @ 16V	1μF @ 50V	3.3µF @ 50V	22µl	F @ 50V
220µF @ 25	5V 2200µF @ 25V	1µF @ 100V	4.7µF @ 50V	47µl	F @ 50V
470µF @ 25	5V 3300µF @ 25V	2.2µF @ 50V	10μF @ 50V	100	μF @ 25V
Part No.	Description		Wt. (lbs.)	1	10
81867	240 pcs. Radial Capa	citor kit	5.3 \$2	29.95	\$26.95
130331	Refill for 81867 (240	pcs.)	0.5	17.95	16.49

Axial Electrolytic Capacitor Kit

SAVE \$16 Includes 140 pcs. (10 values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20	each		
47μF @ 50	V 220μF @ 5	OV 1000μF @ 25V	1μF @ 50V	10	μF @ 50V		
100μF @ 5	ΟV 470μF @ 50	OV 2200μF @ 16V	4.7μF @ 50V	2.2	μF @ 50V		
Part No.	Description		Wt. (lbs.)	1	10		
81875	140 pcs. Axial C	apacitor kit	5.3	\$37.95	\$34.15		

Mylar Capacitor Kit

Mylar	Capacitor K	c A V/I	£ \$20		
Includes .	SAVI	_			
10 each	10 each	10 each	10 each	100	each
.001µF	.022µF	.047µF	.47µF	.01	μF
.0047µF	.033µF	.22µF	1µF	.1µl	F
Part No.	Description		Wt. (lbs.)	1	10
81883	280 pcs. Mylar Capacitor kit		5.1	. \$38.05	\$36.15
130358	Refill for 81883 (2	Refill for 81883 (280 pcs.)		19.95	17.95

Dipped Tantalum Capacitor Kit

Includes 150 pcs. (15 values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 €	each
.1μF @ 35V	1μF @ 25V	3.3µF @ 35V	10μF @ 16V	22µ	ıF @ 16V
.22µF @ 35V	1µF @ 35V	4.7µF @ 35V	10μF @ 35V	33µ	ıF @ 25V
.47µF @ 35V	2.2µF @ 16V	6.8µF @ 35V	15μF @ 25V	47µ	ıF @ 25V
Part No.	Description		Wt. (lbs.)	1	10
81841	150 pcs. Tantalum C	apacitor kit	4.8\$	79.95	\$71.95
130260	Refill for 81841 (150	pcs.)	0.3	59.95	53.95

Ceramic Disc Capacitor Kit

SAVE \$16 Includes 520 pcs. (10 values) 50V ±20% Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100	each
10pF	47pF	470pF	.022µF	.01	uF
22pF	100pF	.001µF	.047µF	.1µĺ	F
Part No.	Description		Wt. (lbs.)	1	10
81859	520 pcs. Ceramic Capacitor kit		5.0	\$35.95	\$32.35
130232	Refill for 81841 (520 pcs.)		0.3	. 17.95	16.49

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 values) 50V ±20% Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100	each
22pF	.001µF	.047µF	.47µF	.01	μF
100pF	.0022µF	.22µF	1μF	.1µ	F
Part No.	Description		Wt. (lbs.)	1	10
171475	280 pcs. Monolithic Capacitor kit		5.0	\$29.95	\$28.49
171483	Refill for 171475 (280 pcs.)		0.3	21.69	20.66

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/8-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5 k Ω	3.3 k Ω	15k Ω	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	$2k\Omega$	$5.1k\Omega$	$22k\Omega$	470kΩ	220Ω	$10k\Omega$
150Ω	470Ω	$2.2k\Omega$	$5.6k\Omega$	$27k\Omega$	$1M\Omega$	1kΩ	100 k Ω
270Ω	680Ω	$2.7k\Omega$	6.8 k Ω	$33k\Omega$	$10M\Omega$		
Part No.	Descrip	otion			Wt. (lbs.)	1	10
108329	540 pc	s. 1/8-watt F	Resistor kit		4.9	\$24.95	\$22.49
108303	Refill for	or 108329 (5	640 pcs.) ≈		0.2	12.95	11.49

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	$1.2k\Omega$	$2.7k\Omega$	$15k\Omega$	$47k\Omega$	100Ω	$4.7k\Omega$
47Ω	390Ω	1.5 k Ω	3.3 k Ω	$20k\Omega$	$470k\Omega$	220Ω	$10k\Omega$
150Ω	470Ω	$2k\Omega$	$5.1k\Omega$	$22k\Omega$	$1M\Omega$	1kΩ	100 k Ω
270Ω	680Ω	$2.2k\Omega$	$5.6k\Omega$	$33k\Omega$	$10 M\Omega$		
Part No.	Descrip	otion			Wt. (lbs.)	1	10
81832	540 pc	s. 1/4-watt F	Resistor kit		4.9	\$27.95	\$24.95
103166	Refill for	or 81832 (54	10 pcs.) ≈		0.2	12.95	11.49

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

	-						
10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	$1.5 k\Omega$	3.3 k Ω	15k Ω	$47k\Omega$	100Ω	4.7kΩ
47Ω	390Ω	$2k\Omega$	$5.1k\Omega$	$22k\Omega$	$470k\Omega$	220Ω	$10k\Omega$
150Ω	470Ω	$2.2k\Omega$	$5.6k\Omega$	$27k\Omega$	$1M\Omega$	$1k\Omega$	100 k Ω
270Ω	680Ω	$2.7k\Omega$	6.8 k Ω	$33k\Omega$	$10 \mathrm{M}\Omega$		
Part No.	Descrip	otion		W	/t. (lbs.)	1	10
107879	540 pc	s. 1/2-watt F	Resistor kit		5.1	\$29.95	\$26.95
107853	Refill for	or 107879 (5	540 pcs.) ≈		0.4	14.95	13.49

1/2-Watt Single Turn Cermet Pot Kit

See page 83 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 e	each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63F	500kΩ
$63P1k\Omega$	63P5kΩ	63P20kΩ	63P100kΩ	63F	2 M Ω
Part No.	Description		Wt. (lbs.)	1	10
85032	100 pcs. single tur	n Pot kit	4.9 \$6	65.95	\$59.35

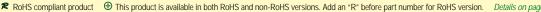
3/4-Watt 15 Turn Cermet Pot Kit

See page 83 (43P Series) for photos and specs.

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 e	ach
$43P500\Omega$	43P2kΩ	43P10kΩ	43P50kΩ	43P	500kΩ
$43P1k\Omega$	43P5kΩ	$43P20k\Omega$	43P 100 k $Ω$	43P	$1M\Omega$
Part No.	Description		Wt. (lbs.)	1	10
85041	100 pcs. 15 turn Pc	ot kit	4.9\$	82.95	\$74.65

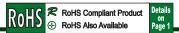
Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com





SAVE \$29

SAVE \$32



Belden Coaxial Cable

Compare Belden coaxial cables with those from the other companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden coaxial cables are time-tested for performance, performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden coaxial cable can be counted on for positive, reliable, and trouble-free operation. Engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, and more. For our complete line of Belden products, please visit www. Jameco.com/Belden.

50Ω Transmission and Computer Cable RG8/X & RG8/U Type

16 AWG stranded (19x29) .058" bare copper RG8/X type

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m Nominal impedance: 50Ω
- · Nominal outer diameter: 0.242" · Color: black

Part No.	Product No.	Description	1	5	10
734255	9258-100-10 🗷	100' reel\$5	9.99	\$54.99	\$49.99
734257	9258-500-10 🗷	500' reel 346	6.55	314.47	298.73
734256	9258-1000-10 🗷	1000' reel 60°	1.15	559.17	538.20
734259	9258-U500-10 🗷	500' unreel box 35	7.05	324.01	307.79
734258	9258-U1000-10 🗷	1000' unreel box 619	9.35	576.12	554.52

13 AWG stranded (7 x 21) .085" bare copper RG8/U type

- · 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m
 Nominal impedance: 52Ω
- Nominal outer diameter: .405" · Color: black

Part No.	Product No.	Description	1_	5	10
732849	8237-100-10 🗷	100' reel\$1	66.05	\$151.09	\$138.36
732857	8237-500-10 🗷	500' reel 6	29.09	571.86	549.03
732865	8237-1000-10 🗷	1000' reel 1,1	35.85	1,041.29	961.12

11 AWG stranded (7 x 19) .108" bare copper RG8/U type

- Nominal outer diameter: .285"
- · Color: black
- Foam polyethylene insulation & black PVC jacket
 97% bare copper braid shield
- Nominal capacitance: 85.3pF/m
 Nominal impedance: 50Ω

Part No.	Product No.	Description	5	10
732751	8214-100-10 🗷	100' reel \$178.55	\$162.30	\$148.77
732769	8214-500-10 🗷	500' reel 780.65	709.66	650.05
732777	8214-1000-10 🗷	1000' reel 1,303.55	1,203.17	1,117.27

50Ω Transmission and Computer Cable RG58A/U Type

20 AWG solid .032" bare copper

- Nominal outer diameter: .193" · Color: black
- · Polyethylene insulation and black PVC jacket
- 95% tinned copper braid shield
- Nominal capacitance: 93.5pF/m Nominal impedance: 51.5Ω

Part No.	Product No.	Description	1	5	10
732873	8240-100-10 🗷	100' reel	\$42.15	\$38.21	\$34.73
732882	8240-500-10 🗷	500' reel	166.75	151.50	144.98
732900	8240-1000-10 🗷	1000' reel	358.25	328.38	303.14
734176	8240-U500-10 🗷	500' unreel box	202.99	184.17	144.98
734175	8240-U1000-10 🗷	1000' unreel box	333.29	302.42	287.33

20 AWG stranded (19 x 33) .035" tinned copper

- 95% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m Nominal impedance: 50Ω
- Nominal outer diameter: .192" · Color: black

Part No.	Product No.	Description	1	5	10
732937	8259-100-10 🗷	100' reel	\$50.65	\$45.93	\$41.73
732945	8259-500-10 🕿	500' reel	. 174.95	164.95	159.95
732953	8259-1000-10 🗷	1000' reel	. 334.09	318.20	303.05

20 AWG stranded (19 x 32) .037" tinned copper

- · 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m Nominal impedance: 53.5Ω
- · Nominal outer diameter: .194" · Color: black

Part No.	Product No.	Description	1	5	10	
732814	8219-100-10 🗷	100' reel	\$39.99	\$37.49	\$34.99	
732822	8219-500-10 🗷	500' reel	257.99	234.47	214.89	

50Ω Transmission and Computer Cable RG174/U Type

26 AWG stranded (7 x 34) .019" bare copper-covered steel

- · 90% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m
- Nominal impedance: 50Ω
- Nominal outer diameter: .110" · Color: black

Part No.	Product No.	Description	1	5	10
732785	8216-100-10 🗷	100' reel	\$41.15	\$39.22	\$37.35
732793	8216-500-10 2	500' reel	139.99	132.59	129.49
732806	8216-1000-10 2	1000' reel	278.85	263.29	258.97

93Ω Coax Cable RG62A/U Type

22 AWG solid 0.025" bare copper-covered steel

- Insulation: semi-solid PE (polyethylene) 0.146" diameter
- Outer shield: braid bare copper 95% coverage
- Outer jacket: HDPE (high density polyethylene)
- Nominal impedance: 93Ω
- · Tracer: solid 0.242" diameter
- Nominal inductance: 0.116µH/ft.
- · Nominal capacitance: 13.5pF/ft Max. operating voltage (non-UL): 300Vrms
- Nominal DCR: 41.2Ω/1000

Part No.	Product No.	Description	1	5	10
447849	9228-010-500♠	500' reel \$173	3.35	\$164.65	\$156.45

· Color: black

75 Ω Broadband Coax CATV Cable RG6/U Type

18 AWG solid .040" bare copper-covered steel

- Duobond® II +60% aluminum braid shield
- · Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m
 Nominal impedance: 75Ω
- Nominal outer diameter: .270" · Color: black

raitivo.	Froduct No.	Description		ິ່ງ	10
733270	9116-100-10 🗷	100' reel\$20	.89	\$17.56	\$16.68
733278	9116-500-10 🗷	500' reel 65	.55	57.37	54.50
733286	9116-1000-10 🗷	1000' reel 119	.45	113.48	107.80
447831	9116-U500-010 ◆	500' unreel box 55	5.59	51.11	48.55
447822	9116-U1000-010 	1000' unreel box 80).79	74.99	71.73

18 AWG solid .040" bare copper-covered steel

- Duobond® IV guad shield
- · Nominal outer diameter: .298'
- · Gas injected foam polyethylene insulation and black PVC jacket Nominal capacitance: 53.1pF/m
 Nominal impedance: 75Ω

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Part No.	Product No.	Description	1	5	10
732734	1189A-100-10 🕿	100' reel	\$40.85	\$36.73	\$33.05
733403	1189A-500-10 🗷	500' reel	83.99	67.87	64.48
732742	1189A-1000-10 🕿	1000' reel	183.45	174.27	165.55
734053	1189A-U500-10 🕿	500' unreel box	100.99	81.61	77.53
447110	1189A-U1000-10♠	1000' unreel box	117.89	107.96	102.83

Series 59 MATV Cable

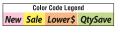
20 AWG solid 0.032 bare copper covered steel

- · Insulation: gas-injected FPE (foam polyethylene 0.144" diameter)
- Outer shield: Duobond® II tape/braid 40% coverage
- · Outer iacket: PVC
- UL1685 flame test
- Color: black
- Nominal impedance: 75Ω • Nominal inductance: 0.097µH/ft.
- Nominal capacitance: 16.2pF/ft.
 Nominal DCR: 44.5Ω/1000

Part No.	Product No.	Description	1	5	10
447806	9100-010-U1000 	1000' unreeled	\$68.65	\$64.99	\$60.92

🕭 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



BELDEN

447275

Belden Coaxial Cable (Continued)

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper

· Gas injected foam HDPE insulation, PVC jacket

• Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω

 DuoFoil® +95% tinned copper braid shield
 Nominal outer diameter: .275 Part No. Product No. Description 10 734100 1694A-100-10 R 100' reel (black) \$66.49 \$55.86 \$53.07 242.65 734156 1694A-500-10 **2** 500' reel (black) 267.49 254.78 734155 1694A-1000-10 **2** 1000' reel (black) 535.05 509.56 485.29 447267 1694A-1000-06**◆** 1000' reel (blue) 433.79 388.73 331.84

Direct Broadcast Satellite RG6 Type Cable

1000' reel (gray) 485.95

18 AWG solid .040" bare copper

1694A-1000-08**◆**

- DuoBond® II +60% aluminum braid
 Color: black
- · Gas injected foam polyethylene insulation, PVC jacket
- Nominal capacitance: 16.2pF/m
 Nominal impedance: 75Ω

Part No.	Product No.	Description	1	5	10
734157	1829AC-100-10 ₹	100' reel	\$15.35	\$14.61	\$13.91
734178	1829AC-500-10 ₹	500' reel	60.45	57.57	54.83
734158	1829AC-1000-10 ₹	1000' reel	123.25	110.88	105.34
447312	1829A-U1000-010 全	1000' unreel box	82.59	79.99	73.28

75Ω Standard Analog Video Cable RG59/U Type

23 AWG solid .023" bare copper

- 95% bare copper braid shield
- Polyethylene insulation and black PVC jacket
 Nominal outer diameter: .242"
- Nominal capacitance: 67.3pF/m
 Nominal impedance: 75Ω
 Color: black

Part No.	Product No.	Description	1	5	10
732902	8241-100-10 🗷	100' reel\$53	.75	\$50.46	\$46.52
732911	8241-500-10 🗷	500' reel 141	.55	132.81	131.83
447478	8241-U500-10 ♠	500' unreel box 155	.15	139.62	125.65
447460	8241-U1000-10 ◆	1000' unreel box 305	.49	274.92	247.42

22 AWG stranded (7 x 30) .030" bare copper

- 95% bare copper braid shield
- · Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 56.7pF/m
 Nominal impedance: 75Ω
- Nominal outer diameter: .241"
 Color: black

Part No.	Product No.	Description		5	10
732654	9259-100-10 🗷	100' reel\$	74.79	\$71.25	\$67.86
732662	9259-500-10 🕿	500' reel 1	96.05	186.73	177.84
732671	9259-1000-10 🗷	1000' reel 3	83.19	369.43	355.67
734071	9259-U500-10 🗷	500' unreel box 1	96.85	187.20	177.84
734070	9259-U1000-10 🗷	1000' unreel box 3	83.19	369.43	355.67

Broadband Coax (Headend/Video Cables)

20 AWG solid .031" bare copper

- Nominal capacitance 68.9pF/m
 Color: black
- Nominal outer diameter: .305" Nominal impedance: 75Ω
- 98% tinned copper double braid shield
 Polyethylene insulation and jacket

Part No.	Product No.	Description	1	5	10
732962	8281-100-10 🗷	100' reel\$8	85.49	\$72.06	\$68.46
732980	8281-500-10 🗷	500' reel 48	83.25	414.18	393.55
732988	8281-1000-10 🗷	1000' reel 90	06.39	826.46	787.10

50Ω RG58A/U Ethernet Coax (Thinnet 10 Base2 Ethernet)

20 AWG stranded (19 x 32) tinned copper, plenum

- Insulation: FFEP (foam fluorinated ethylene propylene, 0.095" diameter)
- · Outer shield: Duobond® II tape/braid 93% coverage

RoHS compliant product

- NFPA 262 UL flame test
- · Color: light gray
- · Outer jacket: PVDF (fluorocopolymet)
- Nominal impedance: 50Ω
- Nominal inductance: 0.0635µH/ft.
- IEEE802.3 10Base2 specification
- Nominal capacitance: 25.4pF/ft.
- Nominal DCR: 8.8Ω/1000'

Product No.	Description		3	10
89907-E4X-1000♠	1000' reel	\$659.59	\$593.62	\$534.25

BELDEN

393.60

Belden Coaxial Cable (Continued)

RG59 Type Security Coaxial Cable

20 AWG solid bare copper conductor

- 95% bare copper braid shield Nominal impedance: 75Ω
- · Foam polyolefin insulation and black UV resistant PVC jacket
- Impregnated with CoreGuard® flame retardant flooding compound
- Shielded or flooded for use in underground ducts
- Surveillance and CCTV applications Color: black

Part No.	Product No.	Description	1	5	10
734159	543945-100-10 🗷	100' reel \$	19.65	\$18.70	\$17.81
734161	543945-500-10 🗷	500' reel	89.09	84.85	80.81
734160	543945-1000-10 🗷	1000' reel 1	142.29	135.52	129.07

Standard Analog Video Cable 75 Ω Miniature Coax

27 AWG stranded (7x35) .017" bare copper-covered steel

- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m
 Color: black
- Nominal impedance: 75Ω Nominal outer diameter: .100

Part No.	Product No.	Description	1	5	10
734174	8218-U500-10 🗷	500' unreel box	\$217.09	\$196.96	\$185.14
734173	8218-U1000-10 2	1000' unreel box	. 534.15	484.61	460.38

20 AWG solid .032" solid bare copper

- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5 pF/m Nominal impedance: 75Ω
- Nominal outer diameter: .234" Color: black

Part No.	Product No.	Description	1	5	10
734087	1505A-100-10 🗷	100' reel	\$51.05	\$42.89	\$40.75
734089	1505A-500-10 🗷	500' reel	214.35	192.80	183.62
734088	1505A-1000-10 🗷	1000' reel	435.29	382.27	364.07

BELDEN Belden Speaker Cable

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded
- Clear PVC jacket
- Parallel (1) tinned (1) bare
- PVC insulation

18 AWG stranded (16 x 30)

Part No.	Product No.	Description	1	5	10
732574	9708-100-368 🗷	100' reel	\$25.75	\$24.53	\$23.36
732591	9708-1000-368 🕿	1000' reel	. 293.09	279.15	265.86
734154	9708-U500-368 🕿	500' unreel box	. 181.95	172.33	162.77
734081	9708-U1000-368 🗷	? 1000' unreel box	. 339.85	324.70	311.39
14 AWG	stranded (19 x 27)				
732603	9717-100-368 🗷	100' reel	. \$65.49	\$55.09	\$49.45
733430	9717-500-368 🗷	500' reel	. 255.69	242.25	218.04
732612	9717-1000-368 🗷	1000' reel	. 539.85	509.72	458.88
12 AWG	stranded (65 x 30)				
732630	9718-100-368	100' reel	\$126.35	\$106.13	\$100.82
732638	9718-500-368 🗷	500' reel	. 581.05	553.38	527.03
732646	9718-1000-368 🗷	1000' reel1	,341.25	1,262.34	1,183.44

Commercial Customers

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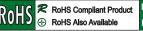


This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Part No.

426001



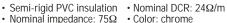
Belden Paired Cable

Belden cable products are manufactured in a variety of gauge sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including PVC, Plenum and High-Temperature versions to meet the technical requirements of many different types of systems. Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables. For our complete line of Belden products, please visit www.Jameco.com/Belden.

Chrome PVC jacket • Tinned copper • Twisted pairs • Tinned copper drain wire • Overall 100% BELDFOIL® shield (for shielded cables)

High-Temperature Control, Instrumentation Cable and Computer Cable

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire









	1		7	-	1000	
	9502 Series		9503 Series		9504 Se	eries
Part No.	. Product No.	No. of Pairs	Description	1	5	10
732710	9501-100-60	? 1	100' reel	\$23.85	\$21.64	\$19.68
732718	9501-500-60	1	500' reel	92.05	87.14	82.31
732726	9501-1000-60	? 1	1000' reel	174.35	164.62	159.10
734074	9501-U500-60	? 1	500' unreel box	108.79	103.00	97.29
734073	9501-U1000-60	? 1	1000' unreel box	175.39	167.06	159.10
732452	9502-100-60	2	100' reel	27.39	24.92	22.64
732470	9502-500-60	2	500' reel	140.39	127.60	116.96
732478	9502-1000-60	? 2	1000' reel	283.49	263.03	249.88
734076	9502-U500-60	? 2	500' unreel box	155.99	141.75	129.94
732486	9503-100-60	3	100' reel	38.95	36.97	35.12
732494	9503-500-60	3	500' reel	137.99	130.72	123.48
732507	9503-1000-60	? 3	1000' reel	359.05	341.92	325.64
734078	9503-U500-60	? 3	500' unreel box	226.39	214.44	202.58
734077	9503-U1000-60	? 3	1000' unreel box	408.35	385.65	366.38
732515	9504-100-60	4	100' reel	52.19	49.69	47.32
732523	9504-500-60	4	500' reel	213.99	207.99	198.99
732532	9504-1000-60	? 4	1000' reel	415.15	406.56	397.96
732550	9505-100-60	? 5	100' reel	58.39	55.63	52.98
732558	9505-500-60	5	500' reel	245.75	234.02	222.88
732566	9505-1000-60	? 5	1000' reel	370.55	339.72	313.56
734079	9505-U500-60	? 5	500' unreel box	311.25	294.84	278.43
734080	9505-U1000-60	2 5	1000' unreel box	589.69	556.87	529.03

Low Capacitance Computer Cable

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

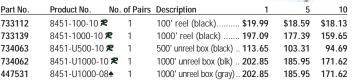
	e" insulation, c DCR: 24Ω/m				-	1000	
Nominal	impedance: 1	Ω 00			40	- 47	
Part No.	Product No.	No.	of Pairs	Description	1	5	10
12/170	1/10/-100-60	9	2	100' rool	\$24.00	\$22.40	¢10 00

Part No.	Product No. No.	of Pairs	Description	1	5	10
734179	1419A-100-60 🕿	2	100' reel	\$24.99	\$22.49	\$19.99
734086	1419A-500-60 🕿	2	500' reel	. 144.05	131.99	113.03
734085	1419A-1000-60 🗷	2	1000' reel	264.55	242.43	223.76
447128	1422A-060-500 ◆	5	500' reel	295.85	266.24	239.61

Audio, Control, and Instrumentation Cable Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
 Paper wrap
- Black PVC jacket • Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"



We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

Audio, Control, and Instrumentation Cable Non-Plenum (Cont.)

- 22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire Polypropylene insulation PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.135" Color: gray

Part No.	Product No.	No. of Pairs	Description 1	5	10
732689	9451-100-08 🕿	1	100' reel \$24.99	\$22.49	\$19.99
732697	9451-500-08 🗷	1	500' reel 92.85	86.43	82.3
733412	9451-T1000-08	? 1	1000' reel 163.09	155.34	147.9
447881	9451-U1000-10	≜ 1	1000' unreel box 153.29	152.00	147.2

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- · Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.175"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
734191	8761-500-60	1	500' reel \$*	147.79	\$140.13	\$108.55
734190	8761-1000-60	? 1	1000' reel	285.35	261.58	241.45
734193	8761-U500-60	? 1	500' unreel box '	150.25	134.42	126.51
734192	8761-U1000-60	? 1	1000' unreel box2	271.49	232.42	221.41

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
734180	8723-100-60 🗷	2	100' reel	\$32.69	\$31.15	\$29.67
734182	8723-500-60 🗷	2	500' reel	114.15	103.55	94.09
734181	8723-1000-60 🛭	2	1000' reel	255.55	249.99	244.69
734184	8723-U500-60	? 2	500' unreel box	131.95	125.35	119.08
734183	8723-U1000-60	? 2	1000' unreel box	324.59	306.79	289.79

20 AWG stranded (7 x 28) unshielded · Chrome PVC jacket · Color: chrome No. of Pairs Description Part No. Product No. 734172 8205-U500-60 **2** 500' unreel box \$85.70 \$81.41 1000' unreel box .. 223.35 734171 8205-U1000-60 R 204.74 188.99

20 AWG stranded (7 x 28) shielded with 22 AWG stranded TC drain wire

- Semi-rigid PVC insulation and overall chrome PVC jacket
- Nominal capacitance: 180pF/m
- · Nominal outer diameter: 0.300" Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
734260	9402-100-60	2	100' reel	\$64.99	\$62.49	\$59.99
734262	9402-U500-60	2 2	500' unreel box	409.29	381.99	354.70
734261	9402-1000-60	? 2	1000' reel	944.85	865.45	798.82

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

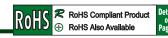
- Tinned copper, twisted pair Color: chrome
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m
 Nominal outer diameter: 0.222

Part No.	Product No.	No. of Pairs	Description	1	5	10
734185	8760-100-60 🗷	1	100' reel	\$34.99	\$32.49	\$29.99
447671	8760-250-60♠	1	250' reel	76.39	69.33	58.15
734187	8760-500-60 🗷	1	500' reel	158.29	143.63	136.44
734186	8760-1000-60	P 1	1000' reel	384.25	364.06	345.85
734189	8760-U500-60	? 1	500' unreel box	150.39	143.26	136.44
734188	8760-U1000-60	? 1	1000' unreel box	300.85	286.52	272.88

[♣] This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.





BELDEN

Belden Paired Cable (Continued)

Unshielded Audio, Control and Instrumentation Cable

16 AWG stranded (19 x 29) tinned copper

- · Insulation & outer jacket: PVC
- UL1685 FT4 flame test
- Nominal inductance: 0.184µH/ft.
- Nominal capacitance: 16.4pF/ft.
- Max. operating voltage: 300Vrms

_	

- · Color: Chrome
- Nominal DCR: 4.49Ω/1000'
- · Max. current: 7.1A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447540	8471-060-1000	1	1000' reel \$4	66.65	\$443.29	\$421.09

14 AWG stranded (42 x 30) tinned copper

- · Insulation & outer jacket: PVC
- UL1685 flame test
- Nominal inductance: 0.19µH/ft.
- Nominal capacitance: 33pF/ft.
- Max. operating voltage: 300Vrms
- · Color: Chrome
- Nominal DCR: 2.86Ω/1000¹
- · Max. current: 9.6A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447558	8473-060-500	1	500' unreel \$42	7.65	\$384.86	\$346.37

Paired Line Level Analog Audio Cable

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire

- · Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- · Nominal outer diameter: 0.204"
- · Color: chrome

Part No.	Product No.	Pairs	Description	1	5	10
734195	8762-100-60 🗷	1	100' reel \$32.9	5	\$32.60	\$32.50
734197	8762-500-60 🗷	1	500' reel 149.7	5	142.61	135.82
734196	8762-1000-60 🕿	1	1000' reel 299.4	9	285.22	271.64
734199	8762-U500-60 🕿	1	500' unreel box 149.7	5	142.61	135.82
734198	8762-U1000-60 🗷	1	1000' unreel box 335.4	5	316.83	298.19

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire

- · Polyethylene insulation
- Nominal capacitance: 75pF/m
- · Nominal outer diameter: 0.313"

	MODE Model	200	-
Color: chrome		7	
Description	1	5	10
100' reel	\$59.99	\$54.99	\$49.99

Part No.	Product No.	Pairs	Description	1	5	10
733147	8719-100-60 🗷	1	100' reel	\$59.99	\$54.99	\$49.99
733155	8719-500-60 🗷	1	500' reel	267.09	242.34	230.32
733163	8719-1000-60 🕿	1	1000' reel	488.25	474.44	460.64
734065	8719-U500-60 🕿	1	500' unreel box .	253.95	241.84	230.32
734064	8719-U1000-60 🕿	? 1	1000' unreel box	579.05	545.91	512.83

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- · Polyethylene insulation
- Nominal outer diameter: 0.355"



Part No.	Product No.	Pairs	Description	1	5	10
733172	8720-100-60 🗷	1	100' reel	\$59.99	\$51.55	\$48.97
733190	8720-500-60 🕿	1	500' reel	298.85	288.55	274.81
733198	8720-1000-60 🕿	1	1000' reel	621.75	578.37	563.91
734066	8720-U500-60 🗷	1	500' unreel box	416.99	389.78	362.59

Two Conductor Low Impedance Cable

20 AWG stranded (26 x 34) high conductivity tinned copper

- · Insulation: EPDM 0.083" diameter
- · Overall cabling separator: rayon braid
- · Outer shield: braid tinned copper 85% coverage
- Outer shield separator material: cotton wrap · Color: black
- Outer jacket: EPDM (ethylene propylene diene monomer rubber)
- Nominal impedance: 52Ω
- Nominal inductance: 0.18µH/ft. Nominal capacitance: 30pF/ft. Nominal DCR: 3.06Ω/1000
- Max. operating voltage: 600Vrms · Max. current: 4A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
425922	8412-010-100♠	1	100' reel	\$117.45	\$105.70	\$95.13

BELDEN

Belden Paired Cable (Continued)

New Generation® Commercial Audio System Cable

18 AWG stranded (7 x 26) bare copper with rip cord (unshielded)

- Suitable applications: addressable fire alarm systems, data circuits, monitor/detection, control circuits,
- initiating circuits, notification circuits
- · Insulation: PVC 0.010" diameter
- · UL1666 vertical shaft flame test
- · Nominal capacitance: 30pF/ft.
- Max. operating voltage: 300Vrms

- · Outer jacket: PVC with rip cord
- Nominal inductance: 0.16µH/ft.
- Nominal DCR: 6.5Ω/1000
- · Max. current: 5A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447398	5300UE-008-U500♠	1	500' unreel	\$41.75	\$39.59	\$33.99
447380	5300UE-008-U1000 ◆	1	1000' unreel	79.85	75.79	65.06

CM Rated Cable

22 AWG stranded (7 x 30) tinned copper with 22 AWG stranded tinned drain wire

- Inner shield: Beldfoil® (Z-fold®) aluminum foil polyester tape 100% coverage
- Insulation: PP (polypropylene)
- Color: chrome

- · Outer jacket: PVC
- UL1685 flame test
- Nominal impedance: 50Ω
- Nominal capacitance: 30pF/ft.
- Max. operating voltage: 300Vrms
- Nominal inductance: 0.18µH/ft.
- Nominal DCR: $15\Omega/1000'$
- · Max. current: 2A per conductor

• Nominal inductance: 0.18µH/ft.

Part No.	Product No.	Pairs	Description	1	5	10
447726	8777-060-500♠	3	500' reel	\$286.49	\$270.00	\$266.00
447718	8777-060-1000♠	3	1000' reel	555.05	540.00	521.95
447734	8778-060-500♠	6	500' reel	545.79	518.49	499.99

Flexible CM Rated Cable

24 AWG stranded (7 x 32) tinned copper with 24 AWG TC drain wire

- Inner shield: Beldfoil® aluminum foil polyester tape 100%
- coverage with 24AWG (7 x 32) tinned copper drain wire • Outer shield: Beldfoil® aluminum foil – polyester tape 100%
- coverage with 18 AWG (7 x 26) tinned copper drain wire · Color: Black
- Insulation: PO (polyolefin)
- · Inner and outer jacket: PVC
- Nominal capacitance: 31pF/ft.

- Nominal DCR: 23.3Ω/1000¹ Max. operating voltage: 300Vrms Max. current: 1.05A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
147161	1510C-R59-500♠	4	500' reel	\$544.49	\$517 10	\$491 3

Audio, Control and Instrumentation Cable

22 AWG solid tinned copper with 22 AWG solid TC drain wire

- · Insulation& outer jacket: PVC
- Inner shield: Beldfoil® aluminum foil polyester tape 100% coverage w/ 22AWG solid tinned copper drain wire
- Nominal inductance: 0.19µH/ft. Nominal capacitance: 40pF/ft.

- Max. operating voltage: 300Vrms
- Nominal DCR: 16.7Ω/1000 · Max. current: 1.5A per conductor
- Product No. Part No. **Pairs** Description 1000' reel \$2,294.95 \$2,271.88 \$2,249.16 447697 8764-060-1000

14 AWG stranded (42 x 30) tinned copper

- Insulation & outer jacket: PVC Color: Chrome
- Inner shield: Beldfoil® (Z-fold®) aluminum foil - polyester tape 100% coverage
- Nominal capacitance: 40pF/ft.
- Max. operating voltage: 300Vrms
- Nominal inductance: 0.19µH/ft.

Color: Chrome

 Nominal DCR: 16.7Ω/1000¹ · Max. current: 2A per conductor

Product No. Part No. Pairs Description 447700 8768-060-500♠ 500' reel \$452.89 \$430.19 \$408.69

We're Listening to Your Requests

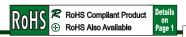
Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

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ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.







Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change

BELDEN Belden Paired Cable (Continued)

Shielded Audio, Control and Instrumentation Cable

24 AWG stranded (7 x 32) tinned copper with 24 AWG tinned copper drain wire

- · UL1685 flame test
- Outer shield: Beldfoil® aluminum foil polyester tape 100% coverage
- · Outer jacket: PVC
- Nominal impedance: 52Ω
- Nominal capacitance: 31pF/ft.
- Max. operating voltage: 300Vrms



- Insulation: PP (polypropylene)
- Nominal inductance: 0.17µH/ft.

Nominal inductance: 0.15µH/ft.

- Nominal DCR: 23.5Ω/1000'
- · Max. current: 2A per conductor

Part No.	Product No.	Pairs	Description 1	5	10
447339	1883A-010-U1000 	1	1000' unreel \$162.29	\$153.27	\$145.59

Audio Alarm and Security Cable

14 AWG stranded (19 x 27) bare copper (unshielded)

- · Suitable applications: intercom/PA systems,
- sound/audio systems, fire alarms
- Insulation: PVC 0.014" diameter
- · UL1666 vertical riser flame test
- Nominal capacitance: 31pF/ft.
- Max. operating voltage: 300Vrms

- Nominal DCR: 2.53Ω/1000¹ · Max. current: 8A per conductor

· Outer jacket: PVC

Color: gray

Part No.	Product No.	Pairs	Description 1	5	10
447355	5100UE-008-500 ♠	1	500' reel \$98.85	\$93.63	\$88.95

16 AWG stranded (19 x 29) bare copper (unshielded)

- Suitable applications: addressable fire systems, data circuits, monitor/detection, control circuits,
- initiating circuits, notification circuits
- · Insulation: PVC 0.010" diameter
- · UL1666 vertical riser flame test Nominal capacitance: 33pF/ft.
- Max. operating voltage: 300Vrms
- Color: gray
- Outer jacket: PVC
- Nominal inductance: 0.15µH/ft. Nominal DCR: 4.2Ω/1000¹
- · Max. current: 6.25A per conductor

Part No.	Product No.	Pairs	Description	1	5	10
447363	5200UE-008-1000♠	1	1000' reel \$107.	39	\$101.99	\$96.89
447371	5200UE-008-500♠	1	500' reel 53.	75	50.99	43.78

Low Capacitance Cable For EIA RS-232/422 Applications

24 AWG stranded (7 x 32) tinned copper with 24 AWG stranded tinned copper drain wire

- Insulation: Datalene® FPE (foam polyethylene) · Outer shield: Beldfoil® aluminum foil - polyester
- tape w/ shorting fold, braid tinned copper 65% coverage
- Outer jacket: PVC
- UL1685 flame test
- Nominal capacitance: 12.5pF/ft.
- Max. operating voltage: 300Vrms
- · Color: Chrome
- Nominal impedance: 100Ω
- Nominal DCR: 24Ω/1000¹
- · Max. current: 1.5A per conductor

Part No.	Product No.	Palls	Description	l l	5	10
447443	8107-060-100♠	7	100' reel	\$198.39	\$179.98	\$170.99

24 AWG stranded (7 x 32) tinned copper with 24 AWG stranded tinned copper drain wire

- UL1685 flame test · Color: Chrome
- · Insulation: Datalene® FPE (foam polyethylene)
- · Outer shield: Beldfoil® aluminum foil polyester tape w/ shorting fold, braid tinned copper 65% coverage
- Outer jacket: PVC
- Nominal capacitance: 12.5pF/ft.
- Max. operating voltage: 300Vrms
- Nominal impedance: 100Ω • Nominal DCR: 24Ω/1000' · Max. current: 1.1A per conductor
- Product No. Part No. **Pairs** Description 447451 8110-060-100 100' reel \$230.89 10

Composite Data, Audio, Video, Security and Control Cable

Two RG6 18 AWG solid bare copper conductors and two 4-pair UTP 24 AWG solid bare copper conductors

- · Gas injected FPR insulation coax cable, polyolefin insulation CAT5e cable and F-R PVC jackets
- Component nominal outer diameter: .200'
- Banana Peel™ jacketless cables · Color: black

Part No.	Product No.	Description	1	5	10
734164	7913S-500 🕿	500' reel	\$355.39	\$338.45	\$322.33
734163	7913S-1000 🗷	1000' reel	700.85	682.06	663.31

BELDEN

Belden Paired Cable (Continued) Paired DataTwist® Category 5e UTP Cable

TIA/EIA - 568-B.2, unbonded-pair cable

- 4 pair unshielded
 24 AWG solid
- Maximum DCR per 100m 9.38Ω
- Input impedance: 100Ω

1585A series:

• Plenum, FEP Teflon® insulation, Flamarrest® jacket · Nominal outer dia.: 0.200" 1583A series:

•	Non-plenum,	polyolefin insulation,	PVC jacket	 Nominal outer dia.: 0.214" 	

			•			
Part No.	Product No.	Color	Description	1	5	10
734093	1585A-100-877 🕿	Natural	100' reel	\$29.99	\$28.49	\$26.99
734095	1585A-500-877 🕿	Natural	500' reel	129.99	121.37	115.59
734094	1585A-1000-877 🕿	Natural	1000' reel	214.45	204.23	194.50
734096	1585A-U1000-877 ₹	Natural	1000' unreel box .	214.45	204.23	194.50
734097	1585A-U100-D15 ₹	Blue	100' unreel box	29.99	28.49	26.99
734099	1585A-U500-D15 ₹	Blue	500' unreel box	. 129.99	114.99	103.86
734098	1585A-U1000-D15 🗷	Blue	1000' unreel box .	239.99	229.99	218.47
734090	1583A-100-06 🕿	Blue	100' reel	15.15	13.61	12.25
734177	1583A-500-06 🕿	Blue	500' reel	71.19	64.05	57.65
734091	1583A-1000-06 🗷	Blue	1000' reel	. 142.35	128.11	115.30
734092	1583A-U1000-06 ₹	Blue	1000' unreel box .	. 142.35	128.11	115.30
447179	1583A-U1000-02 ◆	Red	1000' unreel box .	. 142.35	128.11	115.30
447187	1583A-U1000-03 ♠	Orange	1000' unreel box .	. 142.35	128.11	115.30
447195	1583A-U1000-04 ◆	Yellow	1000' unreel box .	. 142.35	128.11	115.30
447208	1583A-U1000-05 ◆	Dk. green	1000' unreel box .	. 142.35	128.11	115.30
447216	1583A-U1000-09	White	1000' unreel box .	. 142.35	128.11	115.30
447224	1583A-U1000-10	Black	1000' unreel box .	. 142.35	128.11	115.30
447232	1583A-U1000-F6H ♠	Dk. gray	1000' unreel box .	142.35	128.11	115.30

Belden Hook-Up Wire

UL AWM Style 1007

Belden hook-up and lead wire products are manufactured in a variety of materials, sizes, and designs to meet rigid industry and government specifications. Used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, and automotive. AWM, or Appliance Wiring Material, is Underwriter Laboratories' recognized covering of insulated wires and cables intended for internal wiring of appliances and equipment.

- · Rated 105°C, 300V; 600V peak for electronic circuits and electrical equipment
- Tinned copper
- PVC insulated · Increments of 100' or 1000' reels

Use the color code chart below to replace the "xx" when ordering

02 – Brown	03 – Red	04 – Orange	05 – Yellow	06 – Green
08 – Violet	09 – Gray	10 – White	11 – Black	14 – Dark blue

e.g. 734602 - 7346 is the Jameco designation for 28 AWG stranded wire and 02 is for color brown

Part No.	Product No.	Description	1	5	10
7346xx	9928-100-xx 🗷	28 AWG (7 x 36) stranded	\$19.85	\$16.34	\$14.99
7345xx	9926-100-xx 🗷	26 AWG (7 x 34) stranded	21.19	17.45	16.15
7344xx	9923-100-xx 🗷	*24 AWG (7 x 32) stranded	21.99	18.35	16.99
7343xx	9921-100-xx 🗷	22 AWG (7 x 30) stranded	25.75	21.18	19.63
7342xx	9919-100-xx 🕿	20 AWG (7 x 28) stranded	31.65	26.05	24.12
7341xx	9918-100-xx 🗷	18 AWG (16 x 30) stranded .	35.29	29.05	26.89
7340xx	9916-100-xx 🗷	16 AWG (26 x 30) stranded .	49.99	41.95	38.82
447902	9923-1000-02♠	24 AWG (7 x 32) stranded re-	d 128.85	117.86	108.35
447911	9923-1000-07♠	24 AWG (7 x 32) stranded vid	olet 128.85	117.86	108.35

Not available in violet, gray or dark blue

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

[♠] This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

Hook-up Wire & Multi-Conductor Cable

Oue to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Color Code Legend New Sale Lower\$ QtySave

BELDEN

Bus Bar Hook-Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.

· Solid tinned copper, single conductor

Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description 1	5	10
734169	8022-100 🕿	24 AWG, 100' reel \$14.09	\$13.54	\$12.90
734170	8022-1000 🗷	24 AWG, 1000' reel 73.79	70.29	66.95
734167	8021-100 🕿	22 AWG, 100' reel 13.45	10.81	9.77
734168	8021-1000 🕿	22 AWG, 1000' reel 95.99	91.41	87.06
734165	8020-100 🗷	20 AWG, 100' reel 13.29	11.67	10.55
734166	8020-1000 🗷	20 AWG, 1000' reel 141.49	120.59	115.30

BELDEN

Belden Multi-Conductor Cable

Audio, Control and Instrumentation Cable

22 AWG stranded (7 x 30) tinned copper (unshielded)

- · Insulation and outer jacket: PVC
- · Color: Chrome
- Nominal inductance: 0.17µH/ft.
- Nominal capacitance: 34pF/ft.
- · Max. operating voltage: 300Vrms
- Nominal DCR: 15.6Ω/1000¹

· Max. current: 2.1A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447873	9430-060-U1000	• 7	1000' unreel	\$387.05	\$351.16	\$333.59

Computer Cable For EIA RS-232 Applications

24 AWG stranded (7 x 32) tinned copper with 24 AWG stranded TC drain wire

- · Insulation and outer jacket: PVC
- · Color: Chrome
- Nominal DCR: 25Ω/1000
- · Nominal capacitance: 33pF/ft.
- · Outer shield: Beldfoil® aluminum foil-polyester tape 100% coverage
- · Max. operating voltage: 300Vrms Max. current: 1.75A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447890	9536-060-500 ♠	6	500' unreel	\$179.19	\$169.99	\$160.05

Unshielded Audio, Control and Instrumentation Cable

18 AWG stranded (19 x 30) tinned copper

- · Insulation & outer jacket: PVC
- · Color: Chrome
- Nominal capacitance: 26pF/ft.
- Nominal DCR: 6.3Ω/1000
- Max. operating voltage: 300Vrms
- · Max. current: 4A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447566	8489-060-U1000 ♠	4	1000' unreel	. \$480.19	\$400.50	\$385.85

Audio, Control and Instrumentation Cable

18 AWG stranded (19 x 30) tinned copper with 20 AWG stranded TC drain wire

- · Insulation: S-R PVC (semi-rigid PVC)
- · Outer shield: Beldfoil® (Z-Fold®) aluminum foil-polyester tape 100% coverage
- Color: chrome
- · Outer iacket: PVC
- Nominal capacitance: 70pF/ft.
- Max. operating voltage: 300Vrms
- · UL1685 FT4 flame test
- Nominal DCR: 6.5Ω/1000
- · Max. current: 5A per conductor

Part No.	Product No.	Conductors	Description	1	5	10
447865	9418-060-500 •	4	500' reel	\$257.09	\$243.51	\$231.35

New Generation® Commercial Application Cable

18 AWG stranded (7 x 26) bare copper with 20 AWG stranded (7 x 28) TC drain wire

- · Insulation: PVC 0.010" diameter
- · Color: gray
- Outer jacket: PVC
- · UL1666 vertical shaft flame test
- Outer shield: Beldfoil® aluminum foil polyester tape w/ shorting fold 100% coverage
- Nominal capacitance: 38pF/ft.
- Nominal DCR: 7.2Ω/1000 Max. current: 4A per conductor
- Max. operating voltage: 300Vrms Conductors Description Part No. Product No.

10 447401 5302FE-008-U1000 ♠ 1000' unreel \$176.75 \$167.89

BELDEN

Belden Multi-Conductor Cables (Con.)

Multi-Conductor Audio, Control & Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- · Polyethylene insulation
- Nominal capacitance: 75pF/m

 Nominal 	l outer diameter:	0.199"	 Color: chrome 	1000	-9	
Part No.	Product No.	Conductors	Description	1	5	10
733235	8771-100-60 🗷	3	100' reel	\$29.99	\$26.68	\$25.41
733243	8771-500-60 🕿	3	500' reel	130.05	127.50	124.95
733252	8771-1000-60	3	1000' reel	307.49	276.72	249.05
734068	8771-U500-60 #	3	500' unreel box	149.99	142.31	134.39
734067	8771-U1000-60	? 3	1000' unreel box .	298.95	281.99	265.41

22 AWG stranded (7 x 30) unshielded

• PVC insulation • Color: chrome









8445 Series

	10000			
	8443 Series		8444 Series	
No.	Product No.	Conductors	Description	
996	8442-100-60 🗷	2	100' reel	\$19.1
800	8442-500-60 🗷	2	500' reel	70.8
016	8442-1000-60	2	1000' reel	139.39

Part No.	Product No.	Conductors	Description 1	5	10
732996	8442-100-60 🗷	2	100' reel \$19.15	\$17.25	\$15.35
733008	8442-500-60 🗷	2	500' reel 70.85	64.42	58.56
733016	8442-1000-60	2	1000' reel 139.39	133.48	123.82
734055	8442-U500-60	2 2	500' unreel box 70.39	66.71	62.99
734054	8442-U1000-60	? 2	1000' unreel box 142.29	135.52	129.07
733024	8443-100-60 🗷	3	100' reel 23.95	22.75	21.62
733032	8443-500-60 🗷	3	500' reel 100.25	95.46	90.92
734057	8443-U500-60	₹ 3	500' unreel box 100.25	95.47	90.92
733059	8444-100-60 🗷	4	100' reel 32.59	30.13	27.65
733067	8444-500-60 🗷	4	500' reel 128.19	122.07	116.26
733075	8444-1000-60	₹ 4	1000' reel 256.35	244.15	232.52
734059	8444-U500-60	₹ 4	500' unreel box 142.55	129.18	116.26
734058	8444-U1000-60	? 4	1000' unreel box 232.65	221.55	211.00
733083	8445-100-60 🗷	5	100' reel 38.09	36.31	34.58
733092	8445-500-60 🗷	5	500' reel 200.25	187.90	145.46
733104	8445-1000-60	? 5	1000' reel 359.99	321.55	315.09
734061	8445-U500-60	e 5	500' unreel box 190.49	173.14	158.74
734060	8445-U1000-60	2 5	1000' unreel box 374.65	353.75	328.19

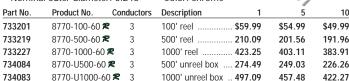
20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218' · Color: chrome



18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246" · Color: chrome

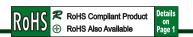


Lowest Price Guarantee

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Multi-Conductor Cable & Hook-Up Wire

Due to extraordinary copper market price fluctuations cable and wire prices are subject to change.

BELDEN

Flat Ribbon Cable

- · Designed for general purpose interconnect applications
- Insulation: PVC polyvinyl chloride
- 0.050" pitch Insulation resistance: >10,000M Ω · Voltage rating: 300Vrms
- · Dielectric withstanding voltage: 2,000Vrms
- 28AWG stranded (7 x 36) tinned copper
- · Current rating: 1A/conductor
- Nom. conductor DC resistance: 68.2Ω/1000ft.



,					
Part No.	Product No.	Conductors	1	2	5
689311	9L28010-H100-08 ₹ ♠	10	\$25.89	\$25.72	\$21.65
689320	9L28015-H100-08 ₹ ♠	15	40.45	36.73	30.92
689338	9L28016-H100-08 ₹ ♠	16	44.25	41.12	34.61
689346	9L28020-H100-08 ₹ ♠	20	55.89	51.69	43.52
689354	9L28024-H100-08 ₹ ♠	24	69.89	63.46	53.43
689362	9L28025-H100-08 ₹ ♠	25	77.99	72.09	60.69
689371	9L28026-H100-08 ₹ ♠	26	73.35	67.78	57.07
689389	9L28034-H100-08 ₹ ♠	34	96.85	89.56	75.39
689397	9L28036-H100-08 ₹ ♠	36	107.69	97.78	82.32
689400	9L24037-H100-08 ₹ ♠	37	102.29	99.29	83.59
689418	9L24040-H100-08 ₹ ♠	40	104.35	101.30	85.27
689426	9L24050-H100-08 ₹	50	136.69	125.21	105.40
689434	9L24060-H100-08 ₹ ♠	60	166.45	151.12	127.21
689442	9L24064-H100-08 ₹ ♠	64	177.25	160.91	135.45

Rainbow	(Multi-Color)	
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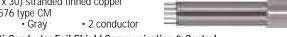
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Part No.	Product No.	Conductors	1	2	5
689451	9R28010-000-100 ₹ ♠	10	\$69.95	\$63.14	\$53.10
689469	9R28014-000-100 ₹ ♠	14	98.99	89.36	75.15
689477	9R28016-000-100 ₹ ♠	16	106.59	102.91	86.55
689485	9R28020-000-100 ₹ ♠	20	140.95	137.64	121.58
689493	9R28024-000-100 ₹ ♠	24	168.35	151.99	127.81
689506	9R28025-000-100 ₹ ♠	25	176.69	159.53	134.15
689514	9R28026-000-100 ₹ ♠	26	183.35	165.52	139.18
689522	9R28034-000-100 ₹ ♠	34	237.69	214.59	180.45
689531	9R28037-000-100 ₹ ♠	37	227.95	214.49	198.06
689549	9R28040-000-100 ₹ ♠	40	280.79	253.50	213.17
689557	9R28050-000-100 ₹ ♠	50	330.49	319.09	268.33
689565	9R28060-000-100 ₹ ♠	60	422.55	381.52	320.82
689573	9R28064-000-100 ₹ ♠	64	449.05	405.43	340.93



Wire & Cable

568641: Multi-Conductor Unshielded Communications & Control Cable

- 22 AWG (7 x 30) stranded tinned copper
- UL AWM 2576 type CM
- PVC jacket



568691: Multi-Conductor Foil Shield Communication & Control

- · 20 AWG (7 x 28) stranded tinned copper with 20 AWG (10 x 30) stranded drain wire tinned copper
- Rating: 300V; 75°C 2 conductor PE insulation PVC jacket (gray)

568827: Xtra Guard® I Multi-Conductor, Unshielded Cable

- · 24/20/18/16 AWG stranded tinned copper
- UL type CM, AWM 2464
- Rating: 300V; -20°C to 80°C

568747: 0.050" Centers Flat Ribbon Cable

- Rating: 300V; -20°C to 105°C PVC insulation
- Nominal capacitance: 14pF/ft. 9 conductors • Nominal impedance: 105Ω Stranded tinned
- Product No. Description 10 568641 1172C SL005♠ 100' reel Because of price volatility, get current 500' reel 568691 2411C SL002 pricing by entering part number at 100' reel www.Jameco.com 568827 5062C SL005♠ 100' reel or call 1-800-831-4242 568747 3580/9 SL005

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaWire



Hook-Up Wire

- · Sold in 100' reels 568721: Type B MIL-W-16878E
- Stranded • 600V PVC insulation
- Operating temp: -20°C to 105°C

568886: Type EE UL Style 1880 MIL-W-16878E

- Stranded TFE Teflon insulation 568659/568667: Type MW MIL-W-76B
- Stranded tinned copper · PVC insulation 568704: Type E MIL-W-16878E
- Solid · Teflon (PTFE) insulation
- 568712: AWM / Style1015
- Stranded tinned copper 568923: AWM / Style1430 Stranded tinned copper
- PVC insulation
- Voltage rating: 600Vrms

Rating: 1000V; 200°C

Rating: 1000V; 80°C

· Voltage rating: 600Vrms

· Voltage rating: 300Vrms PVC insulation

Part No.	Product No.	Color	Description	1	5	10
568721	3081 GR005♠	Green	10 AWG (105 x 30)	Do	cause of pri	lan
568886	5877 BK005♠	Black	18 AWG (19 x 30)		cause or pri	
568659	1555 GR005 ♠	Green	18 AWG (19 x 30)		ing by ente	
568667	1560 GR005 ◆	Green	12 AWG (65x30)		art number	
568704	2855/1 OR001♠	Orange	22 AWG Solid	ww	w.Jameco.d	com
568712	3079-RD001♠	Red	14 AWG (41 x 30)		or call	
568923	7133-GR001 ♠	Green	18 AWG (7 x 26)	1-	800-831-42	42

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaHookupWire



Shielding Grounding Strap

A tight weave of multi-strand, soft drawn tinned copper wire, this shielding ground strap is an ideal material for short run cables providing easy radial termination.



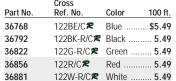
- · Applications: point-to-point ground path, wire/cable shielding
- Nominal ID 11/64" (4.37mm); braid

construction - 36AWG individual ends 168 individual ends; 14 AWG equivalence

Part No.	Product No.	Length 1	10	100
568675	2168-SV003 	250 ft. tinned copper braid \$181.95	\$172.86	\$164.22

Solid Hook-Up Wire – 22 AWG

- Temp. range: -55°C to +105°C Passes UL VW-1 flame test Weight: 100' (0.3 lbs.); 1000' (3.8 lbs.) • MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 312



Color	100 ft.	Part No.	Cross Ref. No.	Color 1000 ft.
Blue	\$5.49	36776	122BE/K ₹	Blue \$39.99
Black	5.49	36805	122BK/K 🗷	Black 39.99
Green	5.49	36840	122G/K ≉	Green 39.99
Red	5.49	36864	122R/K 🕿	Red 39.99
White	5.49	36899	122W/K ≉	White 39.99
Yellow	5.49	36928	122Y/K 🕿	Yellow 39.99



36920

UL 1430 Stranded Hook-up Wire

- Temperature rating: 105°C
- · Voltage: 300V
- Average wall thickness: 0.016 • 18/20 AWG
- Sold in 100' rolls



Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918	18	Black	19 x 30	0.082	2.083 \$	19.95	\$17.95	\$16.15
307926	18	Red	19 x 30	0.082	2.083	19.95	17.75	16.15
305015	18	Orange	7 x 26	0.082	2.083	19.95	17.95	16.15
304995	20	Yellow	19 x 32	0.071	1.803	19.95	17.95	16.15
305007	20	Gray	19 x 32	0.071	1.803	19.95	17.95	16.15
304979	20	Blue	7 x 28	0.070	1.778	19.95	17.95	16.15
304987	20	Gray	7 x 28	0.070	1.778	19.95	17.95	16.15
307897	20	Black	7 x 28	0.070	1.778	19.95	17.95	16.15
307900	20	Red	7 x 28	0.070	1.778	19.95	17.95	16.15

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

UL style 2651

· Gray

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for RoHS version.

RoHS Compliant Product → RoHS Also Available

Color Code Legend New Sale Lower'S OtySave

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Call for OEM pricing

UL 1007 Stranded Hook-Up Wire

300 Volts

• 80°C PVC insulation

 Temperature range: -40°C to +80°C • CSA: TR-64 · Sold in 100' rolls





Cross Ref.	AWG	Color	Wt. (lbs.)	1	5	10
223SBK/C 🕿	22 (7x30)	Black	0.4 \$	3.39	\$3.19	\$2.99
223SR/C 🗷	22 (7x30)	Red	0.4	3.39	3.19	2.99
223SR/C 🗷	22 (7x30)	White	0.4	3.39	3.19	2.99
UL1007-22-GR-C ₹	22 (7x30)	Green	1.0	3.39	3.19	2.99
UL1007-22-YL-C ⊕	22 (7x30)	Yellow	1.0	4.05	3.83	3.59
203SBK/C ⊕	20 (10x30)	Black	0.6	5.95	5.70	5.39
203SR/C ⊕	20 (10x30)	Red	0.5	5.95	5.70	5.39
203SW/C ⊕	20 (10x30)	White	0.5	5.95	5.70	5.39
UL1007-20-GR-C ⊕	20 (10x30)	Green	1.0	5.95	5.70	5.39
UL1007-20-YL-C 🗷	20 (10x30)	Yellow	1.0	4.95	4.75	4.49
UL1007-20-BL-C ⊕	20 (10x30)	Blue	1.0	5.95	5.70	5.39
183SBK/C ₹	18 (16x30)	Black	0.8	5.79	5.55	5.25
183SR/C ⊕	18 (16x30)	Red	0.8	5.79	5.55	5.25
183SW/C ⊕	18 (16x30)	White	0.8	6.95	6.66	6.30
UL1007-18-GR-C 🕿	18 (16x30)	Green	1.0	5.79	5.55	5.25
UL1007-18-YL-C ⊕	18 (16x30)	Yellow	1.0	6.95	6.66	6.30
UL1007-18-BL-C ₹	18 (16x30)	Blue	1.0	6.95	6.66	6.30
	223SBK/C ₹ 223SR/C ₹ 223SR/C ₹ UL1007-22-GR-C ₹ UL1007-22-YL-C ⊕ 203SBK/C ⊕ 203SW/C ⊕ UL1007-20-GR-C ⊕ UL1007-20-BL-C € 183SBK/C ₹ 183SR/C ⊕ 183SW/C ⊕ UL1007-18-GR-C ₹ UL1007-18-GR-C ₹	223SBK/C ₹ 22 (7x30) 223SR/C ₹ 22 (7x30) 223SR/C ₹ 22 (7x30) UL1007-22-GR-C ₹ 22 (7x30) UL1007-22-YL-C ⊕ 22 (7x30) 203SBK/C ⊕ 20 (10x30) 203SW/C ⊕ 20 (10x30) UL1007-20-GR-C ⊕ 20 (10x30) UL1007-20-BL-C € 20 (10x30) UL1007-20-BL-C € 18 (16x30) 183SBK/C ₹ 18 (16x30) 183SW/C ⊕ 18 (16x30) UL1007-18-GR-C ₹ 18 (16x30) UL1007-18-GR-C € 18 (16x30) UL1007-18-YL-C ⊕ 18 (16x30)	223SBK/C ₹ 22 (7x30) Black 223SR/C ₹ 22 (7x30) White UL1007-22-GR-C ₹ 22 (7x30) Yellow 203SBK/C ⊕ 20 (10x30) Black 203SR/C ⊕ 20 (10x30) Black 203SR/C ⊕ 20 (10x30) White UL1007-20-GR-C ⊕ 20 (10x30) White UL1007-20-BL-C € 20 (10x30) Yellow UL1007-20-BL-C € 20 (10x30) Bluce 183SBK/C ₹ 18 (16x30) Black 183SR/C ⊕ 18 (16x30) Red 183SW/C ⊕ 18 (16x30) White UL1007-18-GR-C ₹ 18 (16x30) Green UL1007-18-GR-C ₹ 18 (16x30) Green UL1007-18-GR-C ₹ 18 (16x30) Yellow	223SBK/C ₹ 22 (7x30) Black 0.4	223SBK/C ₹ 22 (7x30) Black outside (0.4) \$3.39 223SR/C ₹ 22 (7x30) Red outside (0.4) 3.39 223SR/C ₹ 22 (7x30) White outside (0.4) 3.39 UL1007-22-GR-C ₹ 22 (7x30) Green outside (0.6) 1.0 3.39 UL1007-22-YL-C ⊕ 22 (7x30) Yellow outside (0.6) 5.95 203SBK/C ⊕ 20 (10x30) Black outside (0.6) 5.95 203SR/C ⊕ 20 (10x30) White outside (0.5) 5.95 UL1007-20-GR-C ⊕ 20 (10x30) White outside (0.6) 5.95 UL1007-20-YL-C ₹ 20 (10x30) Yellow outside (0.6) 4.95 UL1007-20-BL-C ⊕ 20 (10x30) Blue outside (0.6) 5.95 183SBK/C ₹ 18 (16x30) Black outside (0.8) 5.79 183SBW/C ⊕ 18 (16x30) Red outside (0.8) 5.79 183SBW/C ⊕ 18 (16x30) White outside (0.8) 6.95 UL1007-18-GR-C ₹ 18 (16x30) Green outside (0.8) 5.79 181SBW/C ⊕ 18 (16x30) White outside (0.8) 6.95 000000000000000000000000000000000000	223SBK/C ₹ 22 (7x30) Black 0.4 \$3.39 \$3.19 223SR/C ₹ 22 (7x30) Red 0.4 3.39 3.19 223SR/C ₹ 22 (7x30) White 0.4 3.39 3.19 UL1007-22-GR-C ₹ 22 (7x30) Green 1.0 3.39 3.19 UL1007-22-YL-C ⊕ 22 (7x30) Yellow 1.0 4.05 3.83 203SBK/C ⊕ 20 (10x30) Black 0.6 5.95 5.70 203SR/C ⊕ 20 (10x30) White 0.5 5.95 5.70 203SW/C ⊕ 20 (10x30) White 0.5 5.95 5.70 UL1007-20-GR-C ⊕ 20 (10x30) Green 1.0 5.95 5.70 UL1007-20-YL-C ₹ 20 (10x30) Yellow 1.0 4.95 4.75 UL1007-20-BL-C ⊕ 20 (10x30) Blue 1.0 5.95 5.70 183SBK/C ₹ 18 (16x30) Black 0.8 5.79 5.55 183SBW/C ⊕ 18 (16x30) Red 0.8 5.79 5.55 183SBW/C ⊕ 18 (1

Twisted Pair Cable - 24 AWG

- PVC insulation · Reduced EMI
- Use for hook up wire • 80°C Stranded tinned wire (7 x 32)
 300 V
- Weight: 100' (0.5 lbs.); 1000' (4.7 lbs.)

Part No.	Cross Ref. No.	Color	100 ft.	Part No.
105911	224GW/C⊕	Green/white	\$5.99	105806
173164	224BW/C 🕿	Black/white .	5.49	173156

	Cross				Cross		
art No.	Ref. No.	Color	100 ft.	Part No.	Ref. No.	Color	1000 ft.
05911	224GW/C ⊕	Green/white	\$5.99	105806	224GW/K ⊕	Green/white	\$44.99
73164	224BW/C 🗷	Black/white .	5.49	173156	224RW/K 🕿	Red/white	44.99
				173172	224BW/K 🕿	Black/white .	44.95

Modular Telephone Cable – 28 AWG

- · Color coded conductors
- · Flat modular cable • 7 x 43 stranded PVC jacket Grav

						-//
Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644666	300-840SL-100	4	100	. \$3.49	\$3.29	\$3.09
644674	300-840SL-1000	4	1000	. 29.99	28.49	27.05
644691	300-860SL-100	6	100	7.49	6.75	6.09
644703	300-860SL-1000	6	1000	. 49.99	47.49	45.09
644720	300-880SL-100	8	100	9.99	9.49	8.99
644738	300-880SL-1000	8	1000	61.99	58.89	55.95

Kynar™ Wire Wrap Wire – 30 AWG

- Assorted color coded insulation Used for prototyping
- Color coded Kynar™ (Polyvindene Fluoride) insulation
- Silver plated copper (solid conductor)
 UL 1423
- Temperature: -40°C to +125°C
- Wire wrap tools, pg 293
- See pg 148 for sockets · Passes UL VW-1 flame test

Part No.	Color	Wt. (lbs.)	100 ft.	Part No.	Color	Wt. (lbs.)	1000 ft.
22542	Blue 🗷	0.1	\$4.99	22551	Blue₹	0.6	\$29.99
22577	Black 🗷	0.1	4.99	22585	Black₹	0.6	29.99
22631	Red 🗷	0.1	4.99	22649	Red ≉	0.6	29.99
22665	White 🗷	0.1	4.99	22673	White ₹	0.6	29.99
22606	Green 🗷	0.1	4.99	22614	Green≉	0.6	29.99
22700	Yellow 2	0.1	4.99	22702	Yellow 2	0.6	29.99



Category 5e/5 Network Cable

- 4 twisted pairs
- Insulation: polyethylene • UTP
- Nom. OD.: 0.189"
- · Nom. impedance: 100

Solid: uses modular plug P/N 119343, pg 108 Stranded: uses modular plug P/N 79281, pg 108

· Prepackaged and priced in increments of 25', 100' or 1000'

24 AWG UTP Category 5 Enhanced – 350MHz

l	Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
	644543	10X5-701TH-25	Solid	Gray	25	\$4.99	\$4.75
	644551	10X5-701TH-100	Solid	Gray	100	16.99	16.15
	644560	10X5-701TH-1000	Solid	Gray	1000	99.99	94.99
l	645714	10X5-704TH-25	Solid	Blue	25	4.99	4.75
l	645722	10X5-704TH-100	Solid	Blue	100	16.99	16.15
	645731	10X5-704TH-1000	Solid	Blue	1000	99.99	94.99
l	644578	10X5-801TH-25	Stranded	Gray	25	5.99	5.69
	644586	10X5-801TH-100	Stranded	Gray	100	17.99	16.19
l	644594	10X5-801TH-1000	Stranded	Gray	1000	. 159.99	143.99
	644607	10X5-804TH-25	Stranded	Blue	25	5.99	5.69
l	644615	10X5-804TH-100	Stranded	Blue	100	17.99	16.19
l	644623	10X5-804TH-1000	Stranded	Blue	1000	. 159.99	151.99
l	645749	10X5-805TH-25	Stranded	Red	25	5.99	5.69
l	645757	10X5-805TH-100	Stranded	Red	100	17.99	16.19
	645765	10X5-805TH-1000	Stranded	Red	1000	159.99	143.99
l	645773	10X5-802TH-25	Stranded	Black	25	5.99	5.69
l	645781	10X5-802TH-100	Stranded	black	100	17.99	16.19
	645790	10X5-802TH-1000	Stranded	Black	1000	159.99	143.99
l	645802	10X5-806TH-25	Stranded	Yellow	25	5.99	5.69
	645811	10X5-806TH-100	Stranded	Yellow	100	17.99	16.19
	645829	10X5-806TH-1000	Stranded	Yellow	1000	159.99	143.99

24 AWG UTP Category 5 - 100MHz

	0 ,					
Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631	GTP501-4P-GR-25	Stranded	Gray	25	\$5.95	\$5.65
644640	GTP501-4P-GR-100	Stranded	Gray	100	19.35	18.39
444450	CTDE01 4D CD 1000	Ctrandad	Crov	1000	144.40	154 25

• 7/32 AWG

RG Type Bulk Coaxial Cable

RG58/U & RG58A/U (50Ω): Nom. cap.: 27pF/ft.; center resist.: 10.4 Ω /1000ft. @ 77°F · For ethernet, oscilloscopes

RG59/U (75Ω): Nominal capacitance: 19pF/ft.;

center resist.: 16.5Ω/1000ft. @ 77°F

• For CATV & video patch cords

RG174/U (50 Ω): Nominal capacitance: 30.8pF/ft.;

center resist.: 97Ω/1000ft. @ 77°F

· For ethernet, oscilloscopes

Part No.	Cross Ref No.	Type	Description	Length	1	25	50
644754	RG58/U-100	RG58/U	20 AWG solid	100'	\$11.99	\$11.39	\$10.79
644762	RG58/U-1000	RG58/U	20 AWG solid	1000'	108.49	103.05	97.89
644771	10X1-041TH-100	RG58A/U	20 AWG stranded	100'	18.99	17.99	17.09
644789	10X1-041TH-1000	RG58A/U	20 AWG stranded	1000'	149.99	142.49	135.35
644797	RG59/U-100	RG59/U	22 AWG solid	100'	12.99	12.35	11.75
644800	RG59/U-1000	RG59/U	22 AWG solid	1000'	109.99	104.49	99.25
644818	RG174/U-100	RG174/U	26 AWG stranded	100'	18.99	17.99	17.09
644826	RG174/U-1000	RG174/U	26 AWG stranded	1000'	168.99	160.55	152.49

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- · Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

Operatii	ig voitage. 500 v					
Part No.	Cross Ref. No.	Length	Wt. (lbs.)	1	10	25
100280	224BK/C⊕	100'	0.8	\$5.59	\$4.99	\$4.49
100299	224BK/K ≉	1000'	7.8	44.99	40.49	36.45

① This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

22542



EXCLUSIVE

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Call for OEM pricing

Gray Flat Ribbon Cable – 28 AWG

- Single edge red stripe for pin 1 orientation
- · Insulation: polyvinyl chloride (PVC)
- Center spacing: 0.05"
- Temp. rating: -20°C to +80°C
- 28 AWG (7 x 36)
- · Voltage rating: 300V
- Stranded copper wire
- Prenackaged and priced in increments listed below

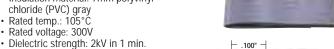


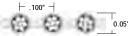


Prepacka	aged and priced i	n increments I	isted below		
Part No.	Cross Ref. No.	Conductors	Length 1	25	50
643794	171-10-10 2	10	10' \$1.49	\$1.39	\$1.29
643807	171-10-25 2	10	25' 4.35	3.94	3.54
643815	171-10-100 2	10	100' reel 12.65	12.09	11.54
643831	171-16-10 2	16	10' 2.19	2.09	1.99
643840	171-16-25 2	16	25' 6.39	5.74	5.17
643858	171-16-100 ≉	16	100' reel 19.99	19.47	18.99
643874	171-20-10 2	20	10' 3.99	3.79	3.59
643882	171-20-25🗷	20	25' 7.85	7.04	6.34
643891	171-20-100 ≉	20	100' reel 29.25	26.31	23.68
643911	171-25-10🗷	25	10' 3.89	3.79	3.69
643920	171-25-25🗷	25	25' 8.75	8.29	7.85
643938	171-25-100🕿	25	100' reel 29.35	27.94	26.61
643962	171-26-10 	26	10' 3.49	3.29	3.09
643971	171-26-25🗷	26	25' 10.15	9.01	8.11
643989	171-26-100≉	26	100' reel 28.65	27.22	25.86
644033	171-34-10🗷	34	10' 4.25	3.99	3.79
644041	171-34-25	34	25' 12.15	10.95	9.85
644050	171-34-100🗷	34	100' reel 36.29	34.46	32.74
644076	171-37-10🗷	37	10' 5.89	5.59	5.29
644084	171-37-25 2	37	25' 11.75	11.15	10.59
644092	171-37-100 ≉	37	100 reel 43.99	41.99	39.99
644113	171-40-10 2	40	10' 7.39	6.99	6.65
644121	171-40-25 2	40	25' 17.49	16.59	15.75
644130	171-40-100 2	40	100' reel 47.99	45.59	43.29
644156	171-50-10 2	50	10' 6.75	6.39	6.05
644164	171-50-25 2	50	25' 14.49	13.75	13.05
644172	171-50-100 ≉	50	100' reel 55.45	52.65	50.02
644199	171-60-10 2	60	10' 8.95	8.49	8.05
644201	171-60-25🗷	60	25' 19.75	18.75	17.79
644210	171-60-100 	60	100' reel 69.25	64.84	61.58

.100" (2.54mm) Flat Ribbon Cable

- 10-conductor 24 AWG stranded
- · Insulation material: 7mm polyvinyl
- Rated temp.: 105°C
- Rated voltage: 300V
- Insulation resistance: $100M\Omega$
- Capacitance: 31pF/m
- Inductance: 1.45µH/m





Part No.	Cross Ref.	Length	1	10	25
363813	H24G-10-10⊕	10'	\$8.99	\$8.49	\$7.99
363821	H24G-10-25⊕	25'	19.99	18.99	17.99
363856	H24G-10-100⊕	100'	69.99	64.99	59.99
363864	H24G-10-250 ⊕	250' reel	199.99	174.99	149.99

Committed to You

We're committed to providing you with the best service in the industry.

JAMECO"

Multiconductor Shielded Computer Communication Cable - 24 AWG

Stranded copper wire, multi-colored insulation

Insulated with polyvinyl chloride (PVC)

Voltage rating: 300V · Color: gray 24 AWG (7 x 32 AWG) Drain wire

· Shielded 100% w/ aluminum mylar

 Prepack 	aged and priced	in increment	s listed belov	V		\
Part No.	Cross Ref. No.	Conductors	Diameter	Length	1	25
644383	SC4-25₹	4	0.20"	25'	\$4.75	\$4.49
644391	SC4-100 ₹	4	0.20"	100'	16.99	16.15
644404	SC4-1000 ₹	4	0.20"	1000'	139.99	132.99
644412	SC9-25₹	9	0.23"	25'	11.25	10.69
644421	SC9-100 ≈	9	0.23"	100'	34.99	33.25
644439	SC9-1000 ≉	9	0.23"	1000'	269.99	256.49
644447	SC15-25₹	15	0.28"	25'	14.75	13.99
644455	SC15-100 ≈	15	0.28"	100'	48.99	46.55
644463	SC15-1000 ≉	15	0.28"	1000'	429.99	408.49
644471	SC25-25₹	25	0.37"	25'	22.25	21.15
644480	SC25-100 ≈	25	0.37"	100'	70.99	67.45
644498	SC25-500 ₹	25	0.37"	500'	589.99	560.49

Multicolor Flat Ribbon Cable – 28 AWG

EXCLUSIVE

- · Standard 10-color repeat sequence
- 28 AWG (7 x 36)
- · Stranded copper wire
- · Center spacing: 0.05" · Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- · Prepackaged and priced in increments listed below

Part No.	Cross Ref. No.	Conductors	Length 1	25	50
639672	28RC10-10 2	10	10' \$3.19	\$2.79	\$2.47
643508	28RC10-25	10	25' 8.39	7.55	6.80
643516	28RC10-100 ₹	10	100' reel 26.99	25.99	23.99
643532	28RC16-10 ₹	16	10' 3.85	3.80	3.75
643541	28RC16-25 ₹	16	25' 13.45	12.08	10.88
643559	28RC16-100 ₹	16	100' reel 52.19	46.95	42.26
643575	28RC20-10 ₹	20	10' 6.79	6.39	5.99
643583	28RC20-25 ₹	20	25' 16.79	15.11	13.60
643591	28RC20-100 ₹	20	100' reel 65.25	58.70	52.83
643612	28RC25-10 ₹	25	10' 6.99	6.65	6.29
643621	28RC25-25 ₹	25	25' 16.79	15.95	15.17
643639	28RC25-100 ₹	25	100' reel 59.99	56.99	54.15
643655	28RC34-10 ₹	34	10' 8.39	7.97	7.94
643663	28RC34-25 ₹	34	25' 17.99	16.99	16.15
643671	28RC34-100 ₹	34	100' reel 89.55	85.08	80.82
643698	28RC40-10 ₹	40	10' 12.75	11.47	10.32
643701	28RC40-25 ₹	40	25' 33.59	30.22	27.20
643719	28RC40-100 	40	100' reel 105.99	101.99	98.99
643735	28RC50-10 ₹	50	10' 14.55	13.12	11.81
643743	28RC50-25 ₹	50	25' 41.95	37.75	33.98
643751	28RC50-100 ⋜	50	100' reel 163.15	146.75	132.11

Disk Drive & SCSI Cables





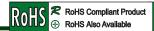




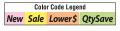
Blue Part No. = Limited Quantity Available

Part No.	Description	Length	1	10	100
32918	34-pin header socket ribbon cable for floppy to card	23"	\$3.49	\$2.97	\$2.22
355637	40-pin IDE hard drive cable to card	11.5" .	89	.86	.83
185076	40-pin IDE hard drive cable to card	14"	95	.71	.53
32686	40-pin IDE hard drive cable to card ⊕	18"	95	.90	.85
72805	Two 40-pin header socket ribbon cable for IDE drive €	3 18"	. 3.69	3.14	2.59
175492	40-pin header socket ribbon cable for ultra DMA66/100	③ 17"	. 6.95	6.25	5.49
32715	50-pin header socket ribbon cable SCSI-I (18") ⊕	18"	3.95	3.49	2.95

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







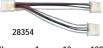
3.5" Disk Drive Power Adapter Cable

 IBM PC/XT and higher compatibles · Allows connection of standard 3.5" disk drives to power supplies

Part No.	Length	AWG	1	10	100
28396	3.5"⊕	22	\$2.49	\$2.25	\$1.95

3.5" & 5.25" Disk Drive **Power Splitters**

- · IBM PC/XT and
- higher compatibles Splits 4-line Molex male into 2 females



277020 0120 20 0 1111111 2100 2107	100
	2.39
72304 3.5" % 22 5" 2.75 2.49	2.25
	2.19

AT/ATX Power Supply **Extension Cable**

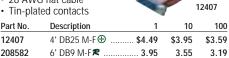
- · For use with ATX power supplies
- 20-pin ATX male and female connectors
- · Color coded to ATX power supply



Part No.	Length	AWG	1	10	100
170238	15" ?	18	. \$5.95	\$5.65	\$5.35

Ribbon Cable Assemblies

- · Metal connector
- · 300V rating
- 105°C rating
- 28 AWG flat cable



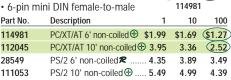
PC/XT/AT & PS/2 Keyboard **Extension Cables**

Quantity SAVE

· Color: beige 114981/112045:

· 5-pin DIN male-to-female 111053:

· 6-pin mini DIN female-to-male





IEEE 1284 Parallel/ Serial High Speed Cables

Compatible with bidirectional communication data flow resulting in speeds up to 10 times faster than conventional applications.



- Double shielded with 28 AWG stranded twisted pair inner conductors • Weight: 0.6 lbs. Molded shells, PVC plastic
- Color: beige (P/N 130067/319767) black (P/N 161630); gray (P/N 223845)

_	
130067 6' DB25 M-Cent. parallel 36M ⊕ \$11.95	\$10.95
319767 6' DB25 M-Cent. parallel 36M⊕ 4.95	4.69
161630 10' DB25 M-M serial cable 14.95	13.49

IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are



180697

180582

180742

standard IEEE 488 with stackable 24-pin GPIB connectors on both ends. • Color: gray

Part No.	Description	Wt. (IDS.)	10	25
73155	1 meter ₹	0.8 \$36.49	\$32.79	\$29.49
115781	2 meter⊕	1.2 37.95	34.19	30.95
115802	4 meter ₹	2.0 38.95	36.19	31.95

Serial Null Modem Cables

- · Molded type connectors
- Color: gray

181403/180697 Pin outs:

1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7

181438 Pin outs: 2-2: 3-3: 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem) 180582 Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem) 180742 Pin outs: 1-4 & 5; 2-2;



Part No.	Description	Wt. (lbs.)	1	10	50
181403	6' DB9 F to DB9 F	Đ 0.3 \$5.	69	\$5.09	\$4.59
180697	10' DB9 F to DB9 F	∂o 0.4 6.	79	6.09	5.49
181438	6' DB25 M to DB9	F 0.4 4.	95	4.49	3.95
180582	10' DB25 M to DB9 I	F⊕ 0.4 6.	69	6.05	5.45
180742	10' DB25 F to DB9 F	⊕ 0.5 7.	39	6.65	5.99

VGA Monitor Cable

- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male

Part No.	Description	1	10	100
66174	6' monitor cable₹	\$6.49	\$5.89	\$5.29
148523	10' monitor cable ↔	6.95	6.25	5.59

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. 1-800-831-4242

9-Pin Monitor Cable

- · For monochrome, RGB. EGA and multisync monitors
- Connects video card to monitor
- · IBM PC/XT and higher compatibles

Part No.	Description	1	10	100
66157	6' DB9 M-M⊕	\$4.45	\$3.95	\$3.55

VGA Monitor Extension Cables

- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles 134041:
- · HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews 66165/148531:





Part No.	Description 1	10	100
134041	6' screws/hex nuts ⊕ \$4.49	\$3.95	\$3.49
66165	6' thumbscrews⊕ 6.59	5.95	5.35
148531	10' thumbscrews ⊕ 7.49	6.79	5.99

DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- · Color: gray

	g·)	
Part No.	Description	



Part No.	Description	Length	1	10	100
181286	DA15 M-M⊕	6'	\$5.49	\$4.95	\$4.45
181358	DA15 M-F⊕	6'	5.49	4.95	4.45

DB25-to-Centronics Parallel Printer Cables

- Molded and fully shielded DB25 male and 36-pin Centronics male connectors
- IBM PC/XT and higher compatibles





Part No.	Description	Wt. (lbs.)	1	10	100
28716	6' straight	0.4 \$3	3.95	\$3.56	\$3.20
123781	10' straight 6	D 0.6 5	5.95	5.09	3.98
28708	15' straight 6	Ð 0.8 5	5.95	5.09	3.79
101899	25' straight 6	9 o 11	95	5.06	3 79

37-Pin Straight Through **Cable Adapters**





· Molded connectors · Color: gray · Weight: 0.9 lbs. Blue Part No. = Limited Quantity Available

Part No.	Description 1	10	100
180611	6' DC37 M-M⊕ \$6.95	\$6.29	\$5.65
181294	6' DC37 M-F⊕≎ 5.95	5.49	4.95

RGB Video Cables

- 75Ω coaxial cable;
- 6' or 10' • Pin 1 red, SA





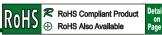
pin 14 white/black vertical, pin 13 gray horizontal 5 BNCs to HDDB15-pin male • Weight: 0.9 lbs.

Part No.	Description	1	10	25
73648	6' cable (black) ⊕	\$19.95	\$16.99	\$12.75
118068	10' cable (black) ⊕	23.35	19.85	14.89

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.







Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Monitor/Mouse/Keyboard Cable

· HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard, and DB9 male/female for mouse



Part No.	Description	Wt. (lbs.)	1	10
141276	32' cable⊕	4.8 \$39.9	95	\$35.95

Switch Box Adapter Cables

6-pin mini DIN

177261: Male to male non-coiled cable for P/N 79177 switch box, pg 263

174772: Male to male

174908/205655:

Male to male non-coiled

112627: Male to male non-coiled cable for P/N 79177 switch box, pg 263

Blue Part No. = Limited Quantity Available



Part No.	Length	Color	1	10	50
177261	2'⊕	Gray	\$2.95	\$2.55	\$1.89
174772	6'	Black	4.95	4.25	3.19
174908	6'⊕	Gray	5.75	5.15	4.65
112627	10'⊕≎	Beige	. 7.95	7.25	6.49
205655	25'⊕	Beige	. 8.95	7.95	6.95

DB9 Extension Cables



25701



174772

· All lines connected straight through 132345/196365:

DB9 female to DB9 female cable with thumbscrews 199638/25701/148515:

DB9 male to DB9 female cable with thumbscrews 181665: DB9 male to DB9 male cable

Part No.	Description	1	10	100	1000
132345	6' F-F⊕ \$4	4.95	\$4.49	\$3.95	\$3.49
199638	6' M-F (blk) ⊕ 4	4.49	3.95	3.49	2.95
25701	6' M-F ₹	4.95	4.49	3.95	3.49
196365	10' F-F ⊕	6.95	6.25	5.59	4.95
148515	10' M-F ⊕o :	7.49	6.79	5.99	4.95
181665	10' M-M ⊕	6.95	6.25	5.59	4.95

9-Pin Test Cable

- DB9 M to DB9 F (6') Quantity SAVE
- Pin outs: 1-3, 2-2, 4-5

Part No.	Description	1	10	100
162915	DB9 male to DB9 female	\$2.95	\$2.51	\$1.88

Digital Camera USB 2.0 Cables

- Length: 6 ft. Color: black
- · For use w/ digital cameras, memory card readers, etc.



USB-A to mini 5-pin 2.75 673694

USB 1.1 Cable

USB-A Male to

USB-B Male				
Part No.	Description	1	10	25
169359	6' cable	\$1.79	\$1.59	\$1.35

DB9-to-DB25 AT-Adapter Serial Cables

- · For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- · Molded DB9 female to DB25 male connectors



raitivo.	Description		10	100
109583	1' serial, beige⊕	\$4.35	\$3.95	\$3.49
189333	3' serial, beige 🕀	3.95	3.39	2.55
207790	4' serial, beige	\$2.35 1.55	1.40	1.26
31721	6' serial, beige ⊕	3.89	3.55	3.15
191361	6' serial, gray	4.39	3.99	3.15
155521	10' serial, beige @	3.95	3.55	3.15

DB25 Extension Cables

- · Use to lengthen your standard serial cable or for switch box applications
- All lines connected straight through
- Thumbscrews to secure connectors
- Color: gray; except P/Ns 174001/175291: black*

67256

Blue Part No. = Limited Quantity Available

Didc Fart i	vo. – Littilica Qua	intity Available			
Part No.	Description W	/t. (lbs.) 1	10	50	100
174001	3' M-M⊕*	0.6 \$4.79	\$4.35	\$3.89	\$3.49
401138	3' M-M ≈	0.4 4.45	4.25	3.99	3.79
65787	6' M-M⊕	0.5 6.49	5.89	5.29	4.89
39538	10' M-M⊕	0.7 6.95	6.29	5.05	3.69
179979	15' M-M⊕	1.2 6.95	6.26	5.63	5.07
67070	25' M-M⊕	1.4 10.95	9.95	8.95	7.95
180435	50' M-M⊕	3.6 14.95	13.49	11.95	9.95
164291	3' M-F⊕	0.4 4.29	3.89	3.49	2.95
175291	3' M-F 2 *	0.4 2.95	2.69	2.25	1.59
163133	5' M-F⊕	0.6 5.29	4.75	4.29	3.85
67256	6' M-F ⊕≎	0.6 6.45	5.79	5.25	4.69
39511	10' M-F⊕	0.7 6.95	6.26	5.63	4.61
177279	15' M-F⊕	1.0 9.49	8.55	7.69	6.25
101995	25' M-F⊕	1.4 11.95	10.79	9.69	7.95
181201	50' M-F⊕	3.2 17.95	15.11	11.33	8.50
224267	6' F-F 🗷	0.7 4.95	3.95	2.95	2.09

IEEE 1394 Firewire Cables



Connect your computer to the latest high

- IEEE-1394 compliant
 UL approved
- · Molded connectors

4-pin Male to 4-pin Male

speed Firewire peripherals.

Part No.	Description 1	10	25
175821	6' cable black ⊕ \$5.59	\$5.05	\$4.55

4-pin Male to 6-pin Male

Part No.	Description 1	10	25
175839	6' cable black ⊕ \$5.59	\$5.05	\$4.55
222228	10' cable black ⊕ 6.99	6.25	5.65

6-pin Male to 6-pin Male

Part No.	Description	10	25
222615	3' cable black 🕀 \$4.99	\$4.45	\$3.95
175847	6' cable black ⊕ 5.59	5.05	4.55
222201	10' cable black ⊕ 6.99	6.25	5.65
222210	15' cable black ⊕ 8.59	7.75	6.95

USB 2.0 Cables



USB-A (M) to USB-A (M)

USB-A (M) to USB-B (M)

USB-A (M) to USB-A (F)

- · Higher transfer rate up to 480Mbps • Backward compatible w/ USB 1.1 products
- Blue Part No. = Limited Quantity Available

USB-A Male to USB-A Male

000	naio to oob it ma			
Part No.	Description	1	10	25
326473	3' cable beige⊕ ⊙	\$1.55	\$1.39	\$1.29
229682	6' cable beige 🗷	1.65	1.49	1.39
222033	6' cable black⊕	1.65	1.49	1.39
229690	10' cable beige⊕	1.89	1.75	1.65
229702	15' cable beige⊕	2.85	2.59	2.49
222050	15' cable black⊕	2.85	2.59	2.49
229577	15' cable clear⊕	2.85	2.59	2.49

USB-A Male to USB-B Male

Part No.	Description	1	10	25		
229711	3' cable beige⊕	\$1.55	\$1.39	\$1.29		
222607	3' cable black⊕o	1.55	1.39	1.29		
229585	3' cable clear	1.55	1.39	1.29		
229730	6' cable beige₹	1.65	1.49	1.39		
222010	6' cable black₹	1.65	1.49	1.39		
229594	6' cable clear 🗷	1.65	1.49	1.39		
229737	10' cable beige⊕	1.89	1.75	1.65		
222018	10' cable black 🗷	1.89	1.75	1.65		
229606	10' cable clear⊕	1.89	1.75	1.65		
229761	15' cable beige⊕	2.85	2.59	2.49		
222025	15' cable black⊕	2.85	2.59	2.49		
229614	15' cable clear⊕	2.85	2.59	2.49		
IISR-4 Male to IISR-4 Female						

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326482	3' cable beige 🗷	\$1.55	\$1.39	\$1.29
229771	6' cable beige 🗷	1.65	1.49	1.39
222068	6' cable black⊕	1.65	1.49	1.39
229622	6' cable clear⊕ .	1.65	1.49	1.39
229788	10' cable beige €	1.89	1.75	1.65
222076	10' cable black⊕	1.89	1.75	1.65
229631	10' cable clear ↔	1.95	1.79	1.71
229796	15' cable beige €	2.85	2.59	2.49
222084	15' cable black⊕	2.85	2.59	2.49
229649	15' cable clear ⊕	2.85	2.59	2.49

Flexible USB Cable

FlexUSB™ is a compact, lightweight accessory that bends, rotates, and flexes to your desired angle. It provides a means to position USB devices, allowing you to use it with any computer, even in the most cramped environment. Its unique ratcheting design makes it possible to position your USB devices that are compatible with both Windows® and MAC platforms.

Part No. Description 262158 USB-A male to USB-B male ⊕ \$11.95 \$10.85

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to

NewProducts@Jameco.com

USB-A Cables with Bracket

· Supports data transfer rates of 12Mbps

· Allows connection of two devices

144813

Dual USB-A female connectors
 8" long

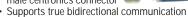
Part No.	Description 1	10	25
144813	Female panel mount ⊕ \$3.95	\$3.75	\$3.55
319652	Male panel mount 3.95	3.75	3.55

ATEN

USB-to-Centronics Printer Cable **SALE**



 USB-A male to 36-pin male centronics connector



Applicable to standard and bidirectional printers

Part No.	Description	1	10	25
155352	6' USB cable⊕	\$23.75	\$22.56	\$21.43

USB-to-DB9 Serial Adapter

- · USB-A to DB9 male • Length: 13"
- · Supports automatic
- handshake mode · Over 230kbps data
- transfer rate · 96 byte buffer each for upstream and downstream data flow
- · Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

Part No.	Description	1	10
387954	USB-A to DB9₽	\$17.95	\$16.15

USB Keyboard Adapter

USB to PS/2 · USB-A female to 6-pin

mini Di	N male (PS/2)				
Part No.	Description	1	10	25	
316832	USR ₋ Δ to PS/2	\$1 79	\$1 50	\$1 3 9	

CAT 5e/6 Crossover Cables

- · Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- · Strain relief RJ45 connectors

Description

• 4-pair • 8P8C • UTP

CA	Τ	6
Part	N	n.

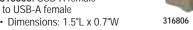
679762 681096	3' cable RJ45 \$7.95 7' cable RJ45 9.95	\$7.15 8.95	\$6.29 7.69
CAT 5e			
Part No.	Description 1	10	100
681109	3' cable RJ45 \$2.95	\$2.65	\$2.39
681117	7' cable RJ45 4.75	4.45	3.75
302041	6' cable RJ45 3.75	3.39	3.05
685812	7' cable RJ45 (yellow) 4.75	4.45	3.75
169261	10' cable RJ45 ? 6.95	6.25	5.59

10

USB Gender Adapters

321251: USB-A male to USB-A male

• Dimensions: 1.9"L x 0.6"W 316806: USB-A female



 Dimens 	ions: 1.5"L x 0.7"W		316806	
Part No.	Description	1	10	25
321251 316806	USB-A male⊕ USB-A female⊕		\$2.65 2.49	\$2.39 2.25
310000	USB-A lemale	2.07	2.47	2.23

Category 6 Network Cables

- · With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- · Exceeds performance levels as specified in TIA/EIA 568B.2-1 Category 6 draft 8

Part No.	Length	Color	1	10	50
219707	3 ft. 🗷	Gray	\$2.79	\$2.69	\$2.56
219715	7 ft. 🗷	Gray	3.99	3.87	3.68
219723	14 ft. 🗷	Gray	6.59	6.37	6.05
219731	25 ft. 🗷	Gray	9.39	8.92	8.47
219740	50 ft. 🗷	Gray	14.29	13.58	12.90
219854	3 ft. 🗷	Blue	2.79	2.69	2.56
219862	7 ft. 🗷	Blue	3.99	3.87	3.68
219871	14 ft. 🗷	Blue	6.59	6.37	6.05
219889	25 ft. 🗷	Blue	9.39	8.92	8.47
219897	50 ft. 🗷	Blue	14.29	13.58	12.90
220003	3 ft. 🗷	White .	2.79	2.69	2.56
220011	7 ft. 🗷	White .	3.99	3.87	3.68
220046	50 ft. 🗷	White	14.29	13.58	12.90
219900	3 ft. 🗷	Red	2.79	2.69	2.56
219918	7 ft. 🗷	Red	3.99	3.87	3.68
219926	14 ft. 🗷	Red	6.59	6.37	6.05
219934	25 ft. 🗷	Red	9.39	8.92	8.47
219942	50 ft. 🗷		14.29	13.58	12.90
219803	3 ft. 🗷	Green	2.79	2.69	2.56
219811	7 ft. 🗷	Green	3.99	3.87	3.68
219820	14 ft. 🗷		6.59	6.37	6.05
219838	25 ft. 🗷	Green	9.39	8.92	8.47
219846	50 ft. 🗷		14.29	13.58	12.90
219758	3 ft. 🗷		2.79	2.69	2.56
219766	7 ft. 🗷	Black .	3.99	3.87	3.68
219774	14 ft. 🗷		6.59	6.37	6.05
219782	25 ft. 🗷		9.39	8.92	8.47
219791	50 ft. 🗷		14.29	13.58	12.90
219969	7 ft. 🗷		3.99	3.87	3.68
219993	50 ft. ≉	Yellow	14.29	13.58	12.90

Category 5e Network Cables

- UTP • 350 MHz
- 8P8C 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- · Color coded for easy wire tracing
- · High-flexibility



201849

 Achieve optimum system performance

0,000	porrormanoo			
Part No.	Length	Color 1	10	100
168292	3 ft. ↔	Gray \$1.79	\$1.49	\$1.39
168305	7 ft. 🕿	Gray 2.99	2.59	2.39
168313	15 ft. ↔	Gray 5.29	4.39	3.99
168321	25 ft. 🟵	Gray 7.99	6.79	6.39
201777	3 ft. 🗷	Red 1.79	1.49	1.39
201785	7 ft.	Red 2.99	2.59	2.39
201793	15 ft. ↔	Red 6.95	5.95	4.45
201806	25 ft. 🗷	Red 7.99	6.79	6.39
201697	3 ft. 🗷	Black 1.79	1.49	1.39
201700	7 ft. 🗷	Black 2.99	2.59	2.39
201718	15 ft. ↔	Black 5.29	4.39	3.99
201726	25 ft. 🗷	Black 7.99	6.79	6.39
201734	3 ft.	Blue 1.79	1.49	1.39
201742	7 ft. 🗷	Blue 2.99	2.59	2.39
201751	15 ft. ↔	Blue 5.29	4.39	3.99
201769	25 ft. 🗷	Blue 7.99	6.79	6.39
201814	3 ft. 🗷	Yellow 1.79	1.49	1.39
201822	7 ft.	Yellow 2.99	2.59	2.39
201831	15 ft. ↔	Yellow 5.29	4.39	3.39

JAMECO ValuePro **Modular Plugs**







P = No. of positions C = No. of contacts

W/E = Western Electric type number

Prepackaged: Please order in increments of 10 116610						
Part No.	Description	W/E	1	10	100	1000
03491	4P4C (handset)	616	*	\$.11	\$.099	\$.089
9290	6P4C (RJ11)	623	*	.12	.11	.095
9273	6P6C (RJ11)	623	.25	.22	.195	.18
9281	8P8C (RJ45) (for stranded wire)	641	.35	.28	.24	.20
19343	8P8C (RJ45) unshielded (for solid wire)	_	.49	.44	.35	.28
16610	8P8C (RJ45) shielded⊕ ⊙	_	1.09	.99	.89	.79
204231	8P8C (RJ45) shielded (for STP stranded wire) ①		1.41	1.36	1.08	.81
16601	8P8C (RJ45) shielded (for solid wire)⊕ ❖		.99	.89	.80	.72
80646	10P10C (for stranded wire)⊕	_	1.39	1.15	.82	.69

Blue Part No. = Limited Quantity Available

Modular Jacks



- Voltage rating: 150VAC max. PC mount
- Contact current rating: 1.5A max. @ 25°C Durability: 750 mating cycles
- *W/E = Western Electric type number

Blue Part No. = Limited Quantity Available

Part No.	Description	*W/E	1	10	100
115128	4P4C (handset) 0.395"W ↔	_	\$.37	\$.34	\$.31
151765	6P4C (RJ11) side flange ⊕ む	AMP	.45	.43	.39
204206	6P4C (RJ11) lead wires ⊕	_	.94	.85	.64
115837	6P6C (RJ11) side flange₹	_	.74	.67	.59
204178	6P6C (RJ11) dual₹	_	1.49	1.35	1.19
124039	6P6C (RJ11) 6" leads ⊕ 🗷	_	1.25	1.15	.99
115844	8P8C (RJ45) ⊕	641	.48	.44	.40
204214	8P8C (RJ45) 0.81"L ↔	_	1.22	1.11	.84
203449	8P8C (RJ45) shielded				
	Pin spacing "A" = 0.055" ↔	—	1.19	.99	.85

Other Manufacturers — Great Deals 8P8C (RJ45) Low Profile — \$.95 \$.89 \$.66

"EZ" RJ45 Connector

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No

wire bar and no wasted cable. · For solid or stranded wire

• 8P8C plug · Use standard modular crimping tool Part No. Product No. 1 10

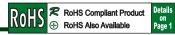
158115 RJ45 (8P8C) . . \$1.75 \$1.58 \$1.42 \$1.25 ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1

25 ft. **?** Yellow **7.99 6.79**

6.39



Fig. 3





8P8C In-Line Coupler, **Modular Jacks & Plugs**

In-Line Coupler

· Housing: black polyphenylene oxide

· Panel mount thickness:

0.062" nominal · Terminals: 0.018" diameter phosphor bronze with 50µ" gold over nickel



Part No.	Product No.	1	10	100
524445	555052-1	\$3.45	\$2.99	\$2.77

Single Port Modular Jacks







- Meets or exceeds FCC part 68 rules and regulations
- Current rating: 1.5A max. @ 25°C (derated)
- Voltage rating: 150VAC max.
- · Housing: polyester 94V-0 rated
- Dielectric withstanding voltage: 1000VACrms
- Contact: 0.014" thick phosphor bronze with 50μ" gold in contact area and 150μ" tin-lead on solder tails over nickel

Shielded

Part No.	Product No.	Position	1	25	50
524453	555153-1	Side entry, low profile \$1	.33	\$1.26	\$1.20
524509	557969-1 🟚	Top entry	.95	.91	.83
524517	558342-1 ♠	Right angle 1	.75	1.52	1.51

Unsheilded

Part No.	Product No.	Position 1	25	50
524488	555416-1	Top entry \$.56	\$.548	\$.534
524461	555164-1	Side entry		
		12.6mm H55	.522	.497

Unshielded Modular Plugs

- One piece construction with pre-loaded contacts
- Housing: polycarbonate UL94V-0 rated
- Current rating: 15A @ 150VAC
- Terminals: 0.014" thick phosphor bronze under-plated with 100µ" nickel, plated with 50µ" gold in contact region and gold flash on terminal
- Dielectric withstanding voltage: 1000VAC
- Insulation resistance: 5000MΩ
- · Meets FCC rules and regulations part 68 and TIA/EIA 568A

F0440/ F FF701F 0 D	\$.395
524496 5-557315-3 Round solid \$.50 \$.438 \$	
524402 5-554169-2 Round stranded . 46 . 423	.391
524411 5-554720-3♠ Flat oval solid . 50 . 475	.428
524429 5-554739-3 Flat oval strd 46 . 423	.399
524541 5-569278-♠ [†] Stranded73 .71	.64
524525 5-558530-3 [†] Stranded6866	.60
524533 5-558530-4♠ † Solid6966	.60
524550 5-569532-3 ♠ Stranded	
long body 1.65 1.49	1.35

[†] Load Bar

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

Keystone-Type Wall Plates

ı	• Size: 2.8	VV X 4.5	ρ¨Η	Quanti	ty SAV	E)	
l	Part No.	No. of ports	Color	₂₅ 1	10	100	
ı	212978	1 ⊕	White	\$1.05	\$.89	\$.67	
ı	212994	2 ↔	White	1.25	1.15	.86	
ı	212986	3	White	1.25	1.15	.99	212960
ı	212960	4 ↔	White	1.25	1.15	.99	
ı	195565	3 ↔	Ivory	1.25	1.05	.79	
l	195573	4 ↔	Ivory	1.25	1.05	.79	

Keystone RJ-45 & RJ-11 Jacks

Modular Punchdown Type

- · Removable jacks used in wall plates (shown above)
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D

RJ45: 8P8C RJ11: 6P6C RJ45



Part No.	Color	1	10	100
195590	Red ⊕	\$4.15	\$3.53	\$2.65
195602	Yellow ⊕	3.59	3.39	3.19
195611	Green ⊕≎	2.09	1.24	1.15
195630	Black 2	3.75	3.55	3.19
195637	Ivory ⊕	3.55	3.24	2.43
212951	Blue ⊕	3.75	3.19	2.39
212943	White ⊕	3.75	3.55	3.19

KJII				
Part No.	Color	1	10	100
213524	Black ⊕	\$3.75	\$3.55	\$2.66
213516	White ⊕ 🌣	3.75	3.55	3.19

Blue Part No. = Limited Quantity Available

Network Connectors



CATSE Coupler								
Part No.	Fig.	Prod. No.	Description	1	10	100		
615048	1	45-5439	RJ45 female	\$5.39	\$5.05	\$4.79		

Quick LoQ Jack

Part No.	Fig.	Prod. No.	Description	1	10	100		
615056	2	45-5529	CAT6 white ◆	\$4.15	\$3.89	\$3.49		
615064	2	45-5537	CAT3/4 ivory ◆	4.15	3.89	2.97		
615072	<u> </u> _	45-5533	CAT5 red◆	4.69	4.55	4.49		
00° 110 D b.d Ct.d.								

90°. 110 Punchdown Style

,,,,,	•	arrorra.	0 ,,,,				
615081	3	45-5561	CAT5e,	orange 🖢	\$4.15	\$3.89	\$2.97
615099	3	45-5569	CAT5e,	white 🕏	4.05	3.72	3.57
1000 IDO T II D I							

180° IDC Toolless Design

615101 4 45-5576 CAT5e, yellow ◆ \$3.15 \$2.95 \$2.79 4 45-5837 CAT5e, ivory 2.79 2.67 2.54 615144

Single Modular Jack Boxes

615110 5 45-5812 CAT5e, white ♠ \$6.85 \$6.26 \$6.01 615128 5 45-5614 CAT5e, ivory ◆ 7.09 6.48 6.23

RJ45-Plug Color Caps (Boots)

Round strain relief 10 piece minimum

Part No. 100 500 1000 10 204410 Black **2** \$.14 \$.13 204353 .099 .132 Blue **?**......14 204362 .073 .098



W: 1.1' H: 0.8' W: 1.7" H: 1.0" Style 1 Reverse wiring for Style 2 Straight wiring for telephone systems networking/printer sharing Part No Fig. 10 100 Description 72207 6P4C male "T" adapter, Style 2. Provides 2 jacks from 1 line. Male modular plug (6P4C), 2 female modular 2 \$.93 (\$.70) receptacles (6P4C) RJ11 \$1.09 71757 6P6C modular coupler. Style 1, RJ11 .86 .79 135087 6P6C modular coupler, Style 2, RJ11 70 1.09 .93 181091 ⊕ 6P6C male "T" adapter. Style 2. Provides 2 jacks from 1 line. Male modular plug(6P6C), 2 female modular receptacles (6P6C) RJ11 .99 .89 .78 8P8C modular coupler, 118501 Style 1, RJ45 1.85 1.75 1.55 135079 8P8C modular coupler, Style 2, RJ45 1.39 1.25 1.15 153023 ⊕8P8C modular coupler Style 2 (for Cat. 5) RJ45 7.35 6.24 (4.69)

Modular Couplers

and Adapters

Modular Jack Boxes & Wall Plates



	Part No.	Description	Fig.	1	10	100
II	72311	⊕6P6C & 8P8C				
Ш		double wall jack				
Ш		plate w/ jacks (beige)	1	\$1.95	\$1.75	\$1.31
Ш	319839	⊕ 8P8C triple wall jack plate				
Ш		w/ jacks (white) (CAT 6)	2	11.19	10.65	7.99
П	319821	⊕ 8P8C quad wall jack plate				
IL		w/ jacks (white) (CAT 5e)	3	11.75	11.15	8.36
Ш	103464	6P4C adhesive				
Ш		jack RJ11 (beige)	4	1.39	1.19	1.09
Ш	71984	6P6C adhesive				
Ш		jack RJ11 (beige)	4	1.39	1.19	.99
П	71651	8P8C adhesive				
Ш		jack RJ45 (beige)	4	1.95	1.65	1.45
	213031	⊕8P8C adhesive jack RJ45				
		(single, white) (CAT 5e)	5	3.29	2.99	2.69
П	213049	⊕8P8C adhesive jack RJ45				
IL		(dual, white) (CAT 5e)	6	4.55	3.87	2.90

Banjo In-Line Modular Adapters

4/6/8 Pin 3-In-1

Adapter can be applied to any brand of butt sets, LAN cable testers, or tone generators.

Part No.	Prod. No.	Description	Price
673723	MT-8091	In-line modular adapters	\$24.39

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.





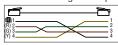
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Modular Telephone/Printer Sharing Cables (Gray)

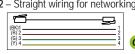
- RJ11 6P2C/6P4C for telephone or network
- RJ11 6P6C for telephone or printer sharing
- RJ45 8P8C for telephone or modem-dial-up use



Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



Quantity SAVE)

	Conn.				Pricing	
Part No.	Style	Туре	Length	1	10	100
189940	1	RJ11-6P2C	7ft.	\$.99	\$.85	\$.65
196227	12	RJ11-6P4C	7ft.	1.49	1.15	.86
115553	2⊕	RJ11-6P4C	7ft.	1.25	1.09	.89
355645	20	RJ11-6P4C	14ft.	2.19	1.59	1.38
115545	1	RJ11-6P4C	25ft.	2.29	2.09	1.85
201232	2	RJ11-6P4C [†]	35ft.	2.49	2.25	1.69
115588	1	RJ11-6P6C	7ft.	1.55	1.35	1.15
115617	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
355653	2	RJ11-6P6C	14ft.	2.75	2.34	1.75
115676	2⊕	RJ45-8P8C	7ft.	1.89	1.61	1.20

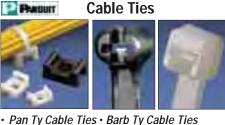
† Beige **ூ** Blue Part No. = Limited Quantity Available

RJ11 Retractable Cable

This RJ11 cable extends up to 8'. And when you pack up, give it a tug and it retracts into its lightweight, rugged case like a windowshade. It's completely tangleproof.



Part No.	Description	Price
233349	RJ11 retractable cable	\$2.95



Cable Tie Mounts · Cable Tie Label

See Our Panduit Cable Ties Offering at www.Jameco.com/Prod/PanduitTies

Retractile Cord

- · Length: 24', 12" 4 conductors
- 18 AWG (42 x 34)
- · Bare copper, rubber insulated, cabled with fillers
- Black neoprene jacket
- Voltage Rating: 300VUL listed and CSA certified

Part No.	Product No.	1	10	100
481895	9482	\$37.85	\$29.63	\$27.25

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges.

Cable Tie Mounts and Cable Clamps

- · Tie mount and screw tab cable clamps
- · Sold in increments of 10



182942/171214 71407/71395/71386





Quantity SAVE



182300/173761



182334/182343

• Material: UL approved nylon 66, 94V-2



173729/173737 134754/173753

Part No.	Cross Ref. No.	Description	10 10	00 1000
182942	0505HC-101S ₹	4-way cable tie mount, self adhesive, .75"D\$.07	7 \$.05	5 \$.042
171214	HC-100 ₹	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square15	5 .13	.094
71407	HC-101 ⊕	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square18	.16	.13
71395	HC-102 ₹	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square23	.19	.14
71386	HC-103 ⊕	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square25	.19	.13
70595	HC-0₹	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.09	.05
182301	0510HC-2 ₹	Cable tie mount, 1/4" screw hole, 0.5"D	7 .15	.14
173761	HC-1⊕	Cable tie, saddle type, 0.6"L x 0.4"W	.09	1 .068
182376	0519ATC-22	2-way adjustable tie mount, #6 flat head screw, 0.9"D	.26	1 .222
182334	0520FC-1 ⊕	Cable tie mount, self adhesive, 0.1"D	7 .15	.113
182343	0520FC-2 ₹	Cable tie mount, self adhesive, 0.2"D	.13	5 .122
173729	UC0.5 ⊕	Cable clamp for 3/16" cable	.03	2 .02
173737	UC1⊕	Cable clamp for 1/4" cable	.09	.063
134754	BO375⊕	Cable clamp for 3/8" cable	.03	2 .02

Nylon Cable ID Ties and Tabs



135175

71062: Clear ID tab (0.98" x 0.31") 135175: Nylon cable tie ID marker

· Sold in increments of 10

Part No.	Size	10	100	1000
71062	4.0"L x 0.1"W 🗷\$.0	85	\$.08	\$.072
135175	2.0"L x 0.8"W x .02"T⊕ .2:	2	.11	.08

Round-Type Strain Relief Bushings

- Material: **UL** approved nylon 66, 94V-2 Color: black
- Used extensively for protecting cords and to







Part No.

Sold in increments of 10

Part No.	Cable Type	Lgth (in.)	10	100	1000
182351	SVI/SVT⊕	.43	. \$.05	\$.043	\$.032
182369	SJ/SJT; 16 AW	/G⊕.58	18	.102	.09
182377	SJC: 18 AWG	.58	24	.22	.20

Bushing Assembly Tool

· For use with strain relief



Open an account with us to consolidate your monthy billing and save time. 1-800-831-4242

RS-232-to-RJ11/RJ45 **Modular Jack Adapters**



Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100				
204265	DB9 M to RJ11 (6P4C) ⊕	\$1.95	\$1.66	\$1.24				
66181	DB9 M to RJ11 (6P6C)	2.59	2.35	2.09				
66190	DB9 M to RJ45 (8P8C) ⊕ む	2.89	2.65	2.35				
114738	DB9 F to RJ11 (6P4C)₹	1.95	1.79	1.59				
66202	DB9 F to RJ11 (6P6C) ⊕	2.79	2.55	2.29				
66212	DB9 F to RJ45 (8P8C)₹	2.99	2.69	2.45				
66229	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99				
66237	DB25 M to RJ45 (8P8C)	2.99	2.69	2.45				
204273	DB25 F to RJ11 (6P4C) ⊕	1.95	1.75	1.31				
66245	DB25 F to RJ11 (6P6C)	2.59	2.20	1.65				
66253	DB25 F to RJ45 (8P8C) ⊕	2.89	2.59	2.29				
Blue Part No.	= Limited Quantity Available	Blue Part No. = Limited Quantity Available						

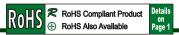
Telco Adapters

Fig. Prod. No. Description



i dit ivo.	i ig.	1100.110.	Description			10	100
614969	1	45-5109	6C RJ12 to	DB9 M	\$2.49	\$2.27	\$1.71
614977			8C RJ45 to				
614985	2	45-5111	4C RJ11 to	DB9 F	2.49	2.27	1.71
614993	2	45-5112♠	6C RJ12 to	DB9 F	2.45	2.31	1.96
615005	2	45-5113	8C RJ45 to	DB9 F	2.45	2.31	1.96
615013	3	45-5117	8C RJ45 to	DB15 F	3.39	2.73	2.34
615021	4	45-5123	8C RJ45 to	DB25 M	2.89	2.73	2.34
615030	5	45-5127	8C RJ45 to	DB25 F	2.69	2.13	1.99

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Nylon Cable Ties

Standard

70560

- Cable ties made from UL approved Nylon 66
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182676 white)
- · Sold in increments of 100

Blue Part No. = Limited Quantity Available



	Tensile	Dimensions		
Part No.	Strength (lbs.)	(L" x W")	100	1000
70560	18⊕	3.1 x 0.10	. \$.025	\$.015
126543	18 ⊕ o	4.0 x 0.10	02	.014
182676	18⊕*	4.75 x 0.13	025	.019
182651	18 2	5.5 x 0.13	035	.025
139150	18⊕	8.0 x 0.10	06	.04
182669	18 %	8.0 x 0.13	075	.05
182685	18 2	8.0 x 0.18	036	.033
70907	40 2	5.8 x 0.10	035	.029
190756	40 ↔	10.0 x 0.14	12	.086
190772	40 ↔	11.0 x 0.19	10	.075
190764	40⊕	13.0 x 0.14	10	.075

* White

Weather Resistant 1

104141

- · Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Color: black
- Sold in increments of 100



145701

50

\$7.39

14.15

15.25

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125	18⊕	3.0 x 0.90	\$.045	\$.034
104141	18⊕	4.0 x 0.10	044	.029
104133	40 ↔	5.8 x 0.10	047	.031
190782	40 🕿	8.0 x 0.13	085	.065
190800	40 2	10.0 x 0.14	10	.09
190802	40 🗷	13.0 x 0.14	113	.088

Cable Tie Assortments

· Tensile strength: 18-50 lbs. 145701:

1000 pcs. (4"L); 10 colors 150412:

500 pcs (4"L): 300 pcs (8"L):

50 pcs. (1	14	45701 (clo	seup)	
Part No.	Wt. (lbs.)	1	10	ļ
145701	0.7 🕀	\$9.49	\$8.49	\$7.3

Cable Tie Tool

16.49

- · 2.5 5mm width (of cable)
- Tension adjustable

150412

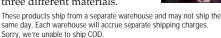
- · Twist to cut surplus tie end Spring return action Metal

Blue Part No. = Limited Quantity Available



Contractor Grade Cable Ties

Avery Dennison™ cable ties are available in a wide variety of sizes and in three different materials.



See Our Avery Dennison Cable Ties Offering at www.Jameco.com/Prod/AveryTies

RoHS compliant product

Cable Clips

These nail-in cable clips are designed for use with RG-6 cables.

- · For RG-6 type cables
- Includes 1" nail





	270071	,
Part No.	Description 1	10
295603	Single RG-6 cable clip, white \$3.39	\$2.85
295591	Single RG-6 cable clip, black 3.19	2.65
295611	Dual RG-6 cable clip, white 3.45	2.85
295620	Dual RG-6 cable clip, black 3.45	2.95

Self Adhesive Wire Marker

- · 90 markers per number
- · Stick to wires for permanent identification
- Cloth tape label numbered 0-9
- · Used after or before terminal

Part	No.	Cross Ref. No.	1	10
182	262	0215WMB-1 ⊕	\$7.09	\$6.45

3M **Tape Wire Marker**

- · For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W

Part No.	Description	1	10
159231	Numerical tape dispenser	\$32.95	\$28.90

ScotchCode™ STD-C Wire 3M Marker Tape Dispenser

The 3MTM ScotchCodeTM tape dispenser is a compact, carry-along dispenser with ten refillable compartments that hold eight-foot rolls of non-smear polyester tape. Used for marking binder groups, wire or cable, the tapes' high tack, acrylic

	firmly to insulation sur the dispenser easily to a t		
Part No.	Description	1	5
652164	Marker tape dispenser 2	\$35.99	\$34.96

adhesive resists solvents, oil and water, and

Cable Markers

 UL approved natural nylon





NEW

•			
Part No.	Size 10	100	1000
182705	1.5"L x .75"W ⊕ \$.10	\$.09	\$.08
182713	2.5"L x 1.76"W ⊕25	.23	(.173)

RIP:TIE Cable Wrap

- Patented one end permanently attaches to the cable and the other end has a pull tab
- Durable made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent 3 per pack

Part No.	Description	1	10
700681	1"W x 6"L, black 🗷	\$8.49	\$8.29

Order 24/7 Toll Free 1-800-831-4242

3M Adhesive Cord Clips

Organize cords behind computers, appliances and entertainment centers. They remove cleanly and may be reused with a new CommandTM adhesive strip. Holds wires up to 3/8 inch in diameter. 4 medium clips and 5 small adhesive strips per pack.



Part No.	Description	1	10
645861	Adhesive cord clips ₹	\$3.89	\$3.44

3M Small Cord Clips

3MTM Cord Clips with CommandTM Adhesive help organize all of those unsightly cords that run from the back of computers, appliances and home entertainment centers. They mount easily to any clean wall or finished wood surface and can be moved just as easily with replacement adhesive strips. 4 clips



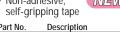
Rip-Tie Lite & Wrap Strap

- · Patented one end permanently attaches to the cable and the other end has a pull tab
- Durable made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent
- 10 per pack

Part No.	Description 1	10
700699	1/2"W x 8"L, rainbow ? \$8.75	\$8.55
700701	1/2"W x 8"L, black ? 8.75	8.55
744624	1/2"W x 10"L, rainbow 🕿 12.25	11.99
744632	1/2"W x 10"L, black ?12.25	11.99

RIP-TIE Gecko Tape

- · Low cost
- · Non-adhesive.



Part No.	Description 1	10
744667	1/2"W x 30'L, black ₹ \$4.79	\$4.69
744675	1/2"W x 75'L, black ₹ 11.69	11.45

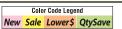
RIP-TIE Cable Catch

- · Easy to install, simply peel-away adhesive cover of the cable catch
- Anchor cords, cables, & wires neatly along surfaces and out of the way
- Acrylic pressure sensitive adhesive securely attaches to equipment racks, desks, or walls

Pull of the tab releases bundle for easy rearranging and quick equipment set-ups • 5 per pack

Part No.	Description 1	10
744683	1"W x 4"L, black ? \$15.59	\$15.25

See Page 329 for more Rip-Tie Products

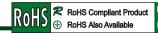






NEW

Wire Management & Heat Shrink Tubing





Heat Shrink Tubing Kit 3M

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation. 285481:







Black 102 pieces

Assorted pre-shrink sizes: 3/16" (30 pcs.); 1/4" (28 pcs.); 3/8" (20 pcs.); 1/2" (14 pcs.); 3/4" (6 pcs.); 1" (4 pcs.) • Pre-cut to 6" lengths 645976: Assorted Colors 133 pieces

· 7 colors: black, red, white, yellow, blue, green and clear

 Assorted pre-shrink sizes: 3/32" (35 pcs.); 1/8" (28 pcs.); 3/16" (21 pcs.); 1/4" (21 pcs.); 3/8" (14 pcs.); 1/2" (14 pcs.) • Pre-cut to 6" lengths

Part No.	Description 1	5	10
285481	Black 102-pc. kit ⊕ \$56.95	\$53.70	\$52.69
645976	Colors 133-pc. kit ₹ 58.85	55.40	54.64

Heat Shrink Tubing

- · 2:1 uniform shrink ratio
- · Color: black

Polyolefin Tubing

- Shrink temp: 90°C
- · Only sold in 10' & 100' lengths

Part No.	Dia. Before (mm)	Length (ft.)	1 25
644834	0.12" (3)	10 \$1.4	0 \$1.33
644851	0.12" (3)	100 10.4	9.99
644869	0.16" (4)	10 1. 4	4 1.37
644877	0.16" (4)	100 12.4	9 11.85
644906	0.20" (5)	10 1. 5	5 1.47
644914	0.20" (5)	100 14.9	9 14.25
644931	0.24" (6)	10 1.6	9 1.64
644949	0.24" (6)	100 16.4	9 15.67
644957	0.31" (8)	10 2.2	2.15
644965	0.31" (8)	100 17.9	9 17.49
644973	0.43" (11)	10 2.7	9 2.69
644981	0.43" (11)	100 24.9	9 23.75
644000	0.50" (15)	10 3.6	0 3 10

100 35.99

72063

Quantity SAVE

0.59" (15) Polyolefin Flexible Tubing

- · Dielectric strength: 1300V
- Flame retardant

645001

- Shrink temp.: 90°C
- Temp. range: -45°C to +125°C
- Precut 39" length (1 meter)

Part No.	Before Dia. (mm)	1*	10 *	100 [*]
71327	.059" (1.5) 🕀	\$.55	\$.46	\$.41
71871	.079" (2.0) 🗷	55	.45	.39
71280	.098" (2.5) 🕀	69	.59	.54
72063	.197" (5.0) 🕀		.76	.57
216478	.275" (7.0) 🗷	99	.84	.63
226245	.375" (9.5)	1.09	.98	.88

Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series

Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm) Volume resistivity: $10^{14}\Omega$ -cm
- Blue Part No. = Limited Quantity Available

Black (4 ft.) Black (6 ins.)

WIII./Wdx.						IVIIII./IVIdX.				
Part No.	Product No.	ID (ins.)	1	5	25	Part No.	Product No.	ID (ins.)	Bags of	1 5
419101	FIT221B-3/64 ₹	.046/.023	. \$.61	\$.55	\$.53	419389	FIT221B-3/64	.046/.023	40 \$11.9	5 \$11.36
419127	FIT221B-1/16 ₹	.063/.031	62	.56	.55	419400	FIT221B-1/16 ₹	.063/.031	36 11.9 !	5 11.36
419143	FIT221B-3/32 ₹	.093/.046	66	.59	.58	419426	FIT221B-3/32 ₹	.093/.046	32 11.6	5 11.05
419160	FIT221B-1/8 ₹	.125/.062	71	.64	.63	419442	FIT221B-1/8 ₹	.125/.062	28 11.5 !	5 11.04
419186	FIT221B-3/16 ₹	.187/.093	95	.84	.83	419469	FIT221B-3/16 ₹	.187/.093	24 11.6 !	5 11.05
419207	FIT221B-1/4 ₹	.250/.125	. 1.19	1.06	1.05	419485	FIT221B-1/4 ₹	.250/.125	20 11.9 !	5 11.31
419223	FIT221B-3/8 ₹	.375/.187	1.21	1.08	1.07	419506	FIT221B-3/8 ₹	.375/.187	16 11.5 !	5 10.95
419240	FIT221B-1/2 ₹	.500/.250	1.37	1.22	1.21	419522	FIT221B-1/2 ₹	.500/.250	14 11.4 !	5 10.61
419266	FIT221B-3/4 ₹ ©	.750/.375	2.05	1.80	1.79	419549	FIT221B-3/4 ₹	.750/.375	12 10.5	9.98
419282	FIT221B-1 ₹ ⊙	1.00/.500	3.05	2.74	2.73	419565	FIT221B-1 ₹	1.00/.500	8 12.2	9 11.66

Clear (4 ft.) Clear (6 ins.)

oroar (1711)				ordar (o mor)					
419119	FIT221-3/64 ₹	.046/.023 \$.71	\$.64	\$.63	419397	FIT221-3/64 ₹	.046/.023	40 \$12.35	\$11.72
419135	FIT221-1/16 ₹	.063/.03173	.68	.67	419418	FIT221-1/16 ₹	.063/.031	36 11.95	11.35
419151	FIT221-3/32 ₹	.093/.04680	.74	.68	419434	FIT221-3/32 ₹	.093/.046	32 11.55	10.95
419178	FIT221-1/8 ₹	.125/.062 .90	.81	.78	419451	FIT221-1/8 ₹	.125/.062	28 12.75	12.08
419194	FIT221-3/16 ₹	.187/.093 1.10	.98	.95	419477	FIT221-3/16 ₹	.187/.093	24 11.55	10.95
419215	FIT221-1/4 ₹	.250/.125 1.36	1.18	1.12	419493	FIT221-1/4 ₹	.250/.125	20 12.35	11.72
419231	FIT221-3/8 ₹	.375/.187 1.55	1.37	1.32	419514	FIT221-3/8 ₹	.375/.187	16 11.55	10.95
419258	FIT221-1/2 ₹	.500/.250 1.75	1.55	1.40	419531	FIT221-1/2 ₹	.500/.250	14 11.45	10.61
419274	FIT221-3/4 ₹	.750/.375 2.45	2.29	2.14	419557	FIT221-3/4 ₹	.750/.375	12 11.95	11.35
419291	FIT221-1 ₹	1.00/.500 3.45	3.22	2.94	419573	FIT221-1 ₹	1.00/.500	8 11.95	11.35

FLEXO® Clean-Cut Braided Sleeve

- · Dense braid structure provides fuller coverage
- Fray resistant when cut with scissors
- Color: black Cut and abrasion resistant UV resistant · Length: 25 feet
- · Maintains properties across wide temperature range

			Min/Max	Inside	Outside		
1	Part No.	Product No.	Flex (ins.)	Dia.(ins.)		1	10
	162157	CCP0.25BK25 ⊕	5/32 – 7/16	0.250	0.440	\$15.95	\$14.95
	162165	CCP0.50BK25 ⊕	1/4 - 3/4	0.500	0.750	17.95	14.49
(690013	CCP0.75BK25 ₹	5/8 – 1	0.750	0.798	13.09	12.45
(690021	CCP1.00BK25 ₹	3/4 – 1 3/16	1.000	1.048	14.49	13.99
(690030	CCP1.25BK25 ₹	1 – 1 1/2	1.250	1.298	17.09	16.49
(690048	CCP1.50BK25 ₹	1 1/4 – 2	1.500	1.548	21.15	20.39

TESTILIA.

FLEXO® PET Braided Sleeve

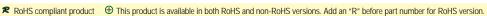
- · Braided from 10 mil polyethylene terepthalate monofilament yarns
- UL recognized component • Conforms to FMVSS 302 • Color: black
- High tensile strength
 Cut and abrasion resistant
 UV resistant
- Maintains properties across wide temperature range
 Length: 25 feet

		Min/Max	Inside	Outside		
Part No.	Product No.	Flex (ins.)	Dia.(ins.)	Dia.(ins.)	11	10
693679	PTN0.25BK25 🕿	1/8 – 7/16	0.250	0.300	\$6.05	\$5.75
693687	PTN0.38BK25 🕿	3/16 - 5/8	0.375	0.425	8.89	8.45
695383	PTN0.50BK25 🕿	1/4 - 3/4	0.500	0.550	10.55	9.99
695391	PTN0.75BK25 🕿	1/2 – 1 1/4	0.750	0.800	15.85	15.05
695412	PTN1.25BK25 🕿	3/4 - 1 3/4	1.250	1.300	19.09	18.15



Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.





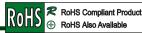
Cum Cone

Pai Lam ben

to Mess Ch Florid

Bushing And







Audio/Video Cables and Adapters

RCA Ca	bles Quanti	ity SAVE)
Part No.	Description 1	10	25
228443	3' stereo RCA (2) male to (2) male plugs, gold plated \$1.49	\$1.39	\$1.29
183311	4' RCA male to male plug (black) ⊕	.89	.79
206973	4' RCA male to male plug (yellow) ⊕	.89	.79
106374	6' RCA male to male plug ⊕	1.02	.94
228419	6' mono RCA male plug to female jack	1.45	1.25
228486	6' RCA stereo (2) male plugs to (2) female jacks	1.15	1.05
228451	6' RCA stereo (2) male to (2) male plugs, gold plated 1.79	1.69	1.59
228401	6' RCA stereo (2) male plugs to 3.5mm stereo male plug 1.55	1.39	1.25
228427	10' RCA female jack to male plug	1.95	1.79
29348	10' RCA male to male plug (yellow) ⊕	1.55	1.35
228460	12' RCA stereo (2) male to (2) male plugs, gold plated 2.09	1.89	1.75
225980	12' RCA (3) male to (3) male plugs, gold plated 4.95	4.27	3.17
225998	20' RCA (3) male to (3) male plugs, gold plated	6.79	5.09
228435	25' mono RCA male to male plug, nickel plated 2.19	2.09	1.99
228478	25' RCA stereo (2) male to (2) male plugs, gold plated 2.39	2.29	2.19

Video/Audio Patch Cables

Part No.	Description 1	10	25
228216	3' stereo video patch cable, gold plated\$1.19	\$1.13	\$1.07
228574	25' stereo video patch cable, gold plated	6.29	5.65
228582	50' stereo video patch cable, gold plated 12.59	11.35	10.19



Part No.	Description 1	10	25
319206	27" 3.5mm mono male to male plug	\$.94	\$.89
326511	1' 3.5mm stereo male to male plug	1.35	1.01
664288	3' 3.5mm stereo male to male plug (black) 1.09	.99	.75
326529	6' 3.5mm stereo male to male plug (green/blue)	1.18	.89
228494	6' 3.5mm stereo male to male plug (black) 1.39	1.19	.99
228515	6' 3.5mm stereo male plug to female jack 1.49	1.35	1.25
228507	12' 3.5mm stereo male to male plug (black) 1.69	1.49	1.29
228523	12' 3.5mm stereo male plug to female jack	1.49	1.35

JAMECO ValuePro S-VHS Cables and Adapters Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables. · Fully-molded color coded 228591 228558 gold RCA connectors EXCLUSIVE Flexible black PVC jacket · Applications: home theaters, DSS receivers, Super-VHS VCRs, 229809 camcorders, and DVD players 228558/228566: 95% spiral wound shield S-VHS/audio conductors Part No. Description 10 228591 6' S-VHS video cable, gold plated\$2.15 \$1.95 \$1.79 6' S-VHS audio-video cable, gold plated 12.95 228558 11.65 10.49 228566 12' S-VHS audio-video cable, gold plated14.95 228603 2.35 2.10 228611 3.85 3.65 229809 S-video 4-pin mini DIN female to female jack 2.85 2.59 2.29 S-video male plug to RCA video female jack 5.39 229391 4.39 295881 S-video female jack to RCA video male plug ⊕ 5.39 4.85 4.39

S-video M-M plug 6'	\$1.79
S-video M-RCA female jack adapter 4.95	4.49
BNC To RCA Cable	

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

Part No.	Description	1	10	50	100
683059	RG-59 BNC to RCA cable	\$3.95	\$3.49	\$2.95	\$2.19

S-video male plug to RCA video female jack ⊕ 5.39

Other Manufacturers — Great Deals

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

JAMECO'	ValuePro 3.	5mm Fema	le Jacks	and	Male	Plu	gs
0	y -1			4	YN	-	e,
109	9496	165730	101152		231	1160	
• 1mm d • Shield	ed screw on hou iameter solder e crimp tabs 231167: With spi	yelets Carrier	231176	Jan 1	231	1167	***
Part No.	Cross Ref. No.	Description		1	10	100	1000
109496 165730	PJ035PM ≈ PJ0354 ≈	, .	.5mm hole size .5mm hole size		\$.40 .59	\$.36 .49	\$.32 .39
101152	PJ1035 ₹	Mono male plu	g, plastic	49	.38	.35	.29
231160 231176 231167	PJ1035 ₹ AP-340 ₹ AP-343⊕	Stereo male pli	g, plastic ug, plastic ug, metal	55	1.19 .43 1.60	1.09 .36 1.45	1.09 .32 1.30

Component Video and Audio Cables

• Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance

 Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality

 Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification

*100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality

Blue	Part I	No. =	Limited	Quantity	Available

Part No.	Description	1	2	5
228620	6' component video RGB cable	\$9.99	\$8.99	\$7.96
228638	12' component video RGB cable	19.95	17.95	16.16
228646	25' component video RGB cable	25.95	23.36	21.02
229403	6' component video RGB and stereo audio cable	14.95	13.46	12.11
229411	12' component video RGB and stereo audio cable o	25.95	23.36	21.02
229420	25' component video RGB and stereo audio cable	29.95	26.96	23.86

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

4.85

4.39

\$1.59

3.59

303351

682662

683075

228638

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Audio Adapters and Cables



RCA Audio Adapters

Part No.	Description 1	10	25	100
228283	RCA female jack to mono 1/4" male plug\$.99	\$.89	\$.69	\$.55
228267	RCA female to female jack coupler, gold plated95	.79	.55	.45

RCA Y-Cables

139038	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs ₹ \$2.25	\$1.99	\$1.79	\$1.61
682793	6" Y-cable 1/8" stereo M plug to (2) RCA mono M plugs 2.29	2.09	1.89	1.70
228371	6" Y-cable (2) RCA M plugs to RCA F jack99	.89	.80	.72
228355	6" Y-cable RCA M plug to (2) RCA F jacks 1.29	1.15	1.06	.79
228380	6" Y-cable (2) RCA F jacks to 3.5mm stereo plug 1.95	1.76	1.59	1.19

3.5mm Y-Cables

228380	6" Y-cable (2) RCA F jacks to 3.5mm stereo M plug 1.95			
220370	3.5mm stereo male plugs\$1.95	\$1.65	\$1.35	\$1.2
228398	6" Y-cable (2) 3.5mm stereo female jacks to			

RG-6/RG-59 75 Ω **Coaxial Cables**

	355670	19	297668	1	0
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3				\$1.05	\$.
				4- 0-	(00

Part No.	Туре	Length (ft.)	1	10
85585	RG-59	3	\$1.05	\$.95
355670	RG-59	75	17.95	13.46
297668	RG-6	75	14.69	13.99

RCA Metal Plugs

· High-quality metal housing RCA plugs

Gold plated metal housing w/ spring strain relief for 6.7mm cables

Part No.	Description	1	10	25	100
229876	Black stripes⊕	. \$1.89	\$1.69	\$1.55	\$1.39
229868	Red stripes ⊕	1.89	1.69	1.55	1.39
229884	White stripes⊕	1.89	1.61	1.37	1.13
230287	Yellow stripes ⊕	1.89	1.69	1.55	1.39

RCA Plastic Plugs

· High-quality plastic RCA plugs

Plastic screw-on cover w/ integral cable protection

Part No.	Description	1	10	25	100
229921	Black (5 pk) ⊕	1.15	\$1.05	\$.91	\$.82
229930	Red (5 pk) ⊕	1.15	1.05	.91	.82
229913	White (5 pk) ⊕	1.19	1.09	.95	.89





Fig. 2 Fig. 3 Fig. 4 Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions (WxDxH)	1	10	100	1000
220581	1	PCB mount, white⊕	.44" x .56" x .48"	\$.45	\$.31	\$.28	\$.22
220556	1	PCB mount, red ⊕	.44" x .56" x .48"	45	.31	.28	.22
220572	1	PCB mount, black ⊕	.44" x .56" x .48"	49	.29	.27	.24
112476	1	PCB mount, red ₹	.44" x .58" x .48"	39	.35	.31	.19
169502	2	PCB mount, black	.40" x .85" x .50"	39	.35	.32	.26
1537150	3	PCB mount, red/white	1.1" x .40" x .51"	69	.63	.49	.35
689881	4	PCB mnt., 1x3 grid, rd/wt/ylw	1.7" x .61" x .62"	99	.89	.79	.65
159484	5	Panel mount, black ⊕	.84"W x .38"H	49	.39	.33	.24
172340	5	Panel mount, red ₹	.84"W x .38"H	49	.39	.31	.23
319249	6	Panel mnt., 1x4 grid, rd/bk	D 2.9" x .48" x .98"	1.19	.99	.94	.89
319071	7	Panel mnt., 2x4 grid, rd/bk	D 3.0" x .49" x 1.40"	1.39	1.19	1.13	1.07

NEUTRIK

Audio Connectors

- · Adapters · Cable connectors Jacks
- · Male and female

XLR Phone Adapters and Jacks XLR Lockable Speaker Connectors **BNC Connectors** 1/4" Professional Phone Plugs

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Switchcraft is a leading component supplier for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries.

Jacks & Plugs/Switches/Audio Connectors/Patch Cords/ Jack Covers/Receptacles/Pushbuttons

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RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Fig. 6

Fig. 9

Fig. 12

Fig. 21

Fig. 23

Switchcraft – For Highest Quality Connectors

Quantity SAVE Lower \$\$\$

Fig. 5

Fig. 8

Fig. 11

Fig. 14

Fig. 17

Fig. 20

Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

RCA Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions (mm) 1	10	25	100
281800	3502₹	1	RCA mono phone audio plug, metal	33.8L x 5.0 ID \$1.75	\$1.37	\$1.21	\$1.10
281797	3501FP ₹	2	RCA phone audio jack, metal	16.3 x 6.0 Dia 1.29	1.00	.97	.95

Audio Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions (mm) 1	10	25	100
281869	750 2	3	3.5mm mono audio plug, plastic	14.0 x 41.5 x 5.7 ID \$3.05	\$2.55	\$2.34	\$2.31
281834	41 2	4	3.5mm audio jack	7.8 x 5.9 1.29	1.22	1.19	1.16
297297	850₹	5	2.5mm mono phone audio plug, plastic	25.8 x 6.35 Dia 2.99	2.91	2.84	2.76
281789	2972	6	1/4" stereo phone audio plug, metal	73.7 x 7.6 ID 4.59	3.82	3.19	2.91
281771	2802	7	1/4" mono phone audio plug, metal	73.7 x 7.6 ID 3.45	3.10	2.84	2.60
281762	2672	8	1/4" stereo phone audio plug, plastic	73.7 x 7.6 ID 4.99	3.79	3.47	3.17
281754	2502	9	1/4" mono phone audio plug, plastic	73.7 x 7.6 ID 2.95	2.62	2.40	2.27
281746	12B ≈	10	1/4" stereo phone audio jack	14.7 x 9.1 Dia 1.49	1.39	1.32	1.24
281738	112	11	1/4" mono phone audio jack	12.8 x 9.1 Dia 1.39	1.29	1.19	1.15
296892	12A ₹	10	1/4" mono phone audio jack, metal	31.7 x 9.4 Dia 1.89	1.50	1.40	1.31
297001	121	12	1/4" mono phone audio jack, metal	63.5 x 12.7 Dia 7.55	6.60	6.52	6.47
296981	112B ₹	13	1/4" phone audio jack, 3C, plastic	34.8 x 15.87 Dia 1.75	1.61	1.56	1.53
297027	1312	12	1/4" phone audio jack, 3C, plastic	63.5 x 12.7 Dia 9.25	7.01	6.43	5.82

Power Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions (mm)	1	10	25	100
281842	712A ≉	14	2.5mm DC power jack, panel mount	15.8 x 7.5 Dia \$	2.05	\$2.03	\$2.02	\$1.51
281851	722A ≉	14	2.1mm DC power jack, panel mount	15.1 x 7.5 Dia	2.15	2.00	1.93	1.85
297588	RAPC722₽	16	2.0mm x 5.5mm DC power jack, RA	10.9H x 8.8W x 14.3D	1.13	1.08	1.02	.92
297553	PC712A ₹	15	2.5mm x 5.5mm DC power jack, metal	23.3 x 11.0 Dia	2.99	2.77	2.59	2.53
297529	L712A ≈	17	2.5mm x 5.5mm DC power jack, metal	23.3 x 11.0 Dia	3.55	3.26	2.94	2.83
281877	760 ≈	18	2.5mm x 5.5mm DC power plug, plastic	9.6 x 36.3 x 5.7 Dia	2.45	2.25	2.07	1.89
297617	S760 ₹	18	2.1mm x 5.5mm DC power plug, plastic	25.4 x 9.5 Dia	2.45	2.26	2.21	2.16

Microphone (XLR) Connectors

Part No.	Product No.	Fig.	Description	Dimensions (mm) 1	10	25	100
277026	A3F ₹	19	3-pin female, metal	82.5 x 5.3 Dia \$4.49	\$3.99	\$3.58	\$3.26
281560	A3M ≈	20	3-pin male, metal	70.3 x 5.3 Dia 3.79	3.17	2.83	2.58
281640	D3F ₹	21	3-pin female, metal, panel mount	27.0W x 36.3H x 30.6D 5.89	4.50	4.13	3.75
281586	A4F ₹	19	4-pin female, metal	82.0 x 5.5 Dia 6.95	5.78	5.36	4.87
281594	A4M ≉	20	4-pin male, metal	71.2 x 4.8 Dia 5.09	4.41	4.05	3.68
297457	C4M ₹	23	4-pin male, metal, panel mount	30.2 x 36.3 Dia 6.55	6.01	5.67	4.60
281607	A5F ≈	19	5-pin female, metal	82.0 x 4.7 Dia 12.09	9.06	8.31	7.55
281615	A5M ≈	20	5-pin male, metal	70.2 x 5.3 Dia 8.95	7.55	6.92	6.30
281691	D5M ≈	22	5-pin male, metal, panel mount	27.0W x 36.3H x 30.6D 10.15	7.62	6.98	6.52
281623	A6F ≈	19	6-pin female, metal	80.2 x 4.6 Dia 10.79	10.25	9.45	8.32
281631	A6M ≈	20	6-pin male, metal	70.5 x 4.5 Dia 9.55	8.78	8.15	7.51
281703	D6F ≈	21	6-pin female, metal, panel mount	27.0W x 36.3H x 30.6D <mark>. 21.09</mark>	15.79	14.49	10.87
281711	D6M ≉	22	6-pin male, metal, panel mount	27.0W x 36.3H x 30.6D 12.35	11.80	9.49	8.25

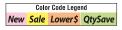


	JAMECO ValuePro		ssional Micro ables and Ada	pters	ity SAVE	BEIVE
	305251	305200	305285	305277	305293/3	307694
ч	Part No.	Cross Ref. No.	Description		1	10
	305251	251-310⊕	3-pin female to female	gender changer .	\$7.49	\$6.99
0	305200	251-320⊕	3-pin male to male ge	ender changer	8.25	6.19
7	305285	251-330⊕	1/4" jack to 3-pin fem	ale XLR adapter	8.65	6.47
0	305277	251-340	1/4" jack to 3-pin mal	e XLR adapter	7.05	5.29
9	305293	255-290	1/4" jack to 3-pin XLF	R female cable, 20)' <mark>10.39</mark>	7.79
9	307694	255-293	1/4" jack to 3-pin XLF	R female cable, 60)' <mark>19.59</mark>	14.69

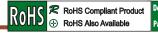
Fig. 16

Fig. 19

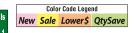
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AMP - Biggest Name in Quality Connectors



495103



Type XII



Series 1: Standard density, signal & low-current applications

Accepts type III+; high-current type II & subminiature coax contacts
 Voltage rating: 600V (UL)

From Hanging Properties

Part No.	Product No.	Arr.	Sex 1	10
495314	206036-3♠	17-16	Standard \$2.05	\$1.87
495154	206043-3♠	17-14	Reverse 2.49	2.36
495189	206151-2♠	23-37	Standard 2.45	2.33
495197	206153-1♠	11-4	Standard 1.89	1.71
495091	206429-1	11-4	Reverse 2.85	2.61
495242	206705-2♠	13-9	Standard 1.95	1.76
495269	206838-2♠	23-24	Standard 3.79	3.51
495226	206430-2♠	11-4	Reverse 1.89	1.71

Square Flange Receptacle with Mounting Holes						
Part No.	Product No.	Arr.	Sex	1	10	
421382	206036-1♠	17-16	Standard \$2.0)5 \$	1.87	
495146	206043-1	17-14	Reverse 2.0)5	1.87	
495171	206151-1♠	23-37	Standard 2.3	35	2.14	
495200	206306-1	23-37	Reverse 2.6	59	2.56	
495218	206430-1	11-4	Reverse 2.0)9	1.95	
495234	206705-1♠	13-9	Standard 1.9	95	1.79	
495251	206838-1♠	23-24	Standard 2.4	45	2.32	
495306	211769-1♠	17-9	Reverse 3.2	29	3.12	
495162	206061-1♠	11-4	Standard 1.8	35	1.68	
495285	211398-1♠	13-7	Reverse 2.9	95	2.67	
495293	211401-1♠	13-7	Standard 3.2	25	3.09	

Plugs					
Part No.	Product No.	Arr.	Sex	1	10
495322	206037-1♠	17-16	Standard	. \$2.55	\$2.32
495031	206044-1	17-14	Reverse	2.55	2.49
495066	206150-1♠	23-37	Standard	2.99	2.74
495074	206305-1	23-37	Reverse	3.89	3.53
495103	206708-1	13-9	Standard	3.25	2.94
495058	206837-1♠	23-24	Standard	3.59	3.26
421374	211399-1 	13-7	Standard	3.05	2.77
495138	211400-1 ♠	13-7	Reverse	3.35	3.20
495120	211768-1♠	17-9	Reverse	3.49	3.34
495082	206060-1	11-4	Standard	2.45	2.33
495111	211766-1 	17-9	Standard	3.95	3.68
495040	211772-1♠	23-19	Reverse	4 25	3 91

Series 2: High density applications

- Voltage rating: 250V (UL)
 Current: 7.5A max.
- Housing: thermoplastic black, UL94V-0 rated
 Feed thru contact: copper alloy, plated
- gold over nickel 0.40" (1.02mm) pin diameter
- Max. wire insulation diameter: 0.068"
- Accepts size 20DF or 20DM crimp snap-in contacts
 Free Hanging Receptacle

Part No.	Product No. Arr.	Sex 1	10
421391	205481-2♠ 11-8	Standard \$3.29	\$3.12
495349	206152-1♠ 17-28	Standard 4.59	4.28
495331	206486-2 11-9	Standard 3.39	3.16
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CPC Circular Plastic Connectors



495517 495509 495584

Series 2 (continued): High density applications

Square Flange Receptacle with Mounting Holes

Part No.	Product No. Arr.	Sex 1	10
495453	205840-3♠ 17-28	Standard \$3.69	\$3.37
495437	205841-1♠ 11-8	Standard 3.29	3.12
495470	206038-1♠ 17-28	Reverse 3.49	3.31
495429	206433-1♠ 11-8	Reverse 3.35	3.16
495445	206436-1 11-9	Standard 3.49	3.43
495461	205843-1♠ 23-63	Standard 5.75	5.37
495488	206438-1 23-57	Reverse 5.95	5.29
Plugs			
Part No.			
i ait ivo.	Product No. Arr.	Sex 1	10
495381	Product No. Arr. 205838-1 11-8	Sex 1 Standard \$4.45	
			\$4.02
495381	205838-1♠ 11-8	Standard \$4.45	\$4.02 4.04 5.33
495381 495402	205838-1 ± 11-8 208839-1 ± 17-28	Standard \$4.45 Standard 4.35	\$4.02 4.04
495381 495402 495411	205838-1 ± 11-8 208839-1 ± 17-28 205842-1 ± 23-63	Standard \$4.45 Standard 4.35 Standard 5.65	\$4.02 4.04 5.33
495381 495402 495411 495365	205838-1♠ 11-8 208839-1♠ 17-28 205842-1♠ 23-63 206039-1♠ 17-28	Standard \$4.45 Standard 4.35 Standard 5.65 Reverse 4.49	\$4.02 4.04 5.33 4.19

Series 3 — Low-density power applications

- Accepts type XII power contacts w/c can carry up to 25A per contacts, accommodates 16-10 AWG
- Housing: thermoplastic black, UL94V-0 rated
 Square Flange G with Mounting Holes

Part No.	Product No. Arr.	Sex 1	10
495550	206036-2 17-3	Standard \$2.75	\$2.51
495568	206137-1 23-7	Standard 4.05	3.70
495541	206425-1 ♠ 17-3	Reverse 2.65	2.41

Plugs			
Part No.	Product No. Arr.	Sex 1	10
495517	206037-2 17-3	Standard \$3.59	\$3.29
495525	206136-1 23-7	Standard 3.79	3.42
495509	206226-1 23-7	Reverse 3.85	3.48
495496	206426-1 17-3	Reverse 4.59	4.23

Series 4: Combination of standard & power density application

- Housing: thermoplastic black, UL94V-0
- Accepts type III+ and type XII power contacts Plugs

No. of Cavities						
Product No. Arr.	Power	Multimate	1	10		
206612-1 ± 23-22M	2	20 \$4.	39	\$4.01		
207485-1 ♠ 23-16M	4	12 3.	69	3.35		
	206612-1 ± 23-22M		Product No. Arr. Power Multimate 206612-1♠ 23-22M 2 20 \$4.	Product No. Arr. Power Multimate 1 206612-1 ★ 23-22M 2 20 \$4.39		

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!



Contacts

- Crimp type; except for *P/N 526424
- Contact body brass or phosphor bronze
- · Finish:
- A: 30µ" gold over nickel B: Tin-lead

Type III+

- C: 15µ" gold over nickel D: 30µ" select gold over nickel E: 50µ" gold over nickel F: Silver plated
- G: gold flash over nickel

Type III+ Snap-In Crimp Pins w/ Retention Spring

,,		•				
Part No.	Product No.	AWG	Finish	Type	1	100
526424	66180-1	18-16	Α	Pin*	\$.84	\$.60
526432	66181-1	18-16	Α	Socke	t 68	.63
526459	66103-3	24-20	С	Pin	33	.295
526563	1-66103-5	24-20	В	Pin	34	.303
526361	1-66103-7♠	24-20	Α	Pin	44	.361
526379	66105-3	24-20	С	Socke	t42	.40
526504	1-66105-6	24-20	Α	Socke	t40	.304
526491	1-66360-0♠	18-14	В	Socke	t33	.238
526475	1-66360-1♠	18-14	Α	Socke	t 60	.447
526686	66360-3♠	18-14	С	Socke	t75	.61
526441	1-66361-1♠	18-14	Α	Pin	41	.323

Type XII, Precision Formed Snap-In Crimp Pins

Material: copper
 Assist spring

Part No.	Product No.	AWG	Finish	Туре	1	10
526580	66259-2♠	10	Α	Pin	\$5.19	\$4.07
527355	66741-6♠	10	Α	Socket	7.79	5.93
526571	66261-1♠	16-12	В	Pin	3.65	3.16
527380	66740-8♠	16-12	В	Socket	4.49	3.87
526598	66261-2♠	16-12	Ε	Pin	6.25	6.07
527363	66740-6	16-12	Ε	Socket	6.99	5.73
526601	66261-4	16-12	F	Pin	2.85	2.32
527371	66740-2♠	16-12	F	Socket	4.35	3.10



Size 20DF Contacts

Material: brass
 Minimum order 10 pieces

Part No.	Product No.	AWG	Finish	n Type	10	100
223108	66507-9 ≉	28-24	Α	Pin	. \$.18	\$.12
527531	66505-92	28-24	Α	Socket [†]	15	.136
223095	1-66507-0	28-24	G	Pin	115	.092
223221	1-66505-0	28-24	G	Socket [†]	18	.12
223141	745254-6 2	26-22	Α	Pin [†]	25	.18
223247	745253-6	26-22	Α	Socket [†]	175	.127
223191	66506-9₹	24-20	Α	Pin	16	.15
223298	66504-9 2	24-20	Α	Socket .	17	.15
223167	1-66506-0	24-20	G	Pin	16	.15
223255	1-66504-0	24-20	G	Socket .	17	.15

† with insulation supports

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🗷 RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page



10

AMP

CPC Accessories

Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- receptacles and plugs.

 Material: thermoplastic black, UL94V-0 rated
- 494127: body and crimp halves zinc alloy nickel plated with stainless steel screws and washers

		Shell	Cable		
Part No.	Product No.	Size	O.D. (max.)	1	10
494127	208945-8♠	28	.938" \$	19.65	\$18.01
494047	206062-3	28	.329"	2.95	2.72
494039	206062-1	28	.329"	2.75	2.66
494071	206138-1♠	23	.703"	3.15	2.85
494012	206512-1♠	23	1.125"	3.99	3.61
494063	206070-1	17	.453"	2.85	2.75
493992	206322-1	17	.703"	3.59	3.26
494004	207008-1♠	13	.703"	3.19	2.90
494055	206966-1♠	13	.453"	2.89	2.62
493984	206358-1♠	11	.453"	2.99	2.50

Circular Sealing Cap with Plastic Wrap

Used to protect exposed contacts for unmated receptacles.



- · Material: thermoplastic black, UL94V-1 rated
- Shell size: 11 For Series 1 & 2 CPC connectors
- · Sealing gasket: black neoprene
- Bead chain: steel, nickel plated
- · Bead chain coupling: brass nickel plated

Part No.	Product No.	Description 1	10
495277	206903-1♠	Sealing cap \$3.05	\$2.80

Self Centering Cable Clamp

Used in applications where strain relief protection is required and the cable or wire bundle is large and/or stiff.



Material: black thermoplastic, UL94V-0 rated

Part No.	Product No.	Shell Size	1	10
494021	207774-1	23	\$4.69	\$4.31

Keying Plug

Used in multimate contact cavities that accept type II, type II+ and subminiature coaxicon socket contacts.

• Housing: nylon natural, UL94V-0

Part No.	Product No.	Description 1	10
493968	206509-1♠	Keying plug for series 2 \$.33	\$.277

Internal Cable Grip & Boot

Provide strain relief capabilities for jacketed cables in applications where aesthetic appearance is essential.



Prepackaged: please order in increments of 10

Part No.	Product No.	Description	10	100
493950	207490-1♠	Cable grip	\$2.14	\$2.09
493941	207489-1♠	Cable boot	2.04	1.90

· 55-125 contacts · Right angle female connectors

These products ship from a separate warehouse and may not ship the

See Our AMP Z-Pack Connector Offering at

www.Jameco.com/Prod/AMPZPack

same day. Each warehouse will accrue separate shipping charges.

· Standard and reduced crosstalk versions

· Glass filled polyester housing

Sorry, we're unable to ship COD.

Z-Pack Connectors

AMP

AMPLIMITE™ Screw Retainers & Locks

Metal Screw Retainers for Metal Shell Connectors (HDE/HDP)

- Retaining clip: 0.012" (0.31mm) stainless steel
- Male screw: steel, zinc plated
- Finish: yellow
- Thread size: 4-40

			10
205980-1♠	Metal screw retainers \$.40	\$.361
745647-1♠	Female screw locks	.84	.79
	205980-1♠		205980-1♠ Metal screw retainers \$.40 745647-1♠ Female screw locks84

Female Screw Locks for Metal Shell and All Plastic Connectors (HDE/HDF/HDP)



Cold rolled steel, zinc plated

For HD All Plastic Plugs & Receptacles with Integral Stand-Offs Thread length 0.7 (0) Lower \$\$\$

· Thread length: 0.560"

Part No.	Product No. Finish	Thread Size 1	10
613827	207719-1 ≜ Yellow	4-40 \$1.05	\$.93
613835		4-40 96	.87
525501	747223-3 Clear	2-56 \$2.75 2.59	2.25

For HD All Plastic Right Angle Plugs and Receptacles with Integral Stand-Offs

· Thread length: 0.250"

i ait ivo.	i i oddot ivo. i iiiisii	THI Cau Size I	10
613878	207952-1 ♠ Yellow	4-40 \$1.49	\$1.33
613886	207952-3♠ Clear	4-40 .97	.87
614088	745563-1 ♠ Yellow	4-40 1.25	1.13

Product No. Finish Thread Size

For HDE Metal Shell or All Plastic Plugs & Receptacles

Thread length: 0.250"
Part No. Product No. Fini

Part No.	Product No. Finish	Thread Size 1	10
614096	745563-3 ♠ Clear	4-40 \$.96	\$.92

Low Profile Screw Retainer Kit (HDF)

 Cold rolled steel, zinc plated



614184 746881-1♠ Male retainer kit \$1.41 \$1.2

AMP MICTOR® Receptacles

- Level III board-to-board connector
- High density and controlled impedance
- Redundant contact design

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Mictor Receptacle Offering at www.Jameco.com/Prod/AMPMICTOR

Commercial grade hand tool for crimping various products. Features ratchet control to provide complete crimp cycle. Accepts both pinnedand shouldered-style die sets. Locators are provided with



pinned-style die sets for proper contact and wire positioning, and to help minimize contact rotation and bending during crimping.

526176: Hand crimper tool

526352: Die set for Type II/VI pin & socket contacts

Part No.	Product No. 1	5
526176	58448-2 ♠ \$159.59	\$145.06
526352	58495-1 ♠ 145.19	138.26

Amphenol Series 44 Circular Connector Tools 567568

		567592	567	7576
Part No.	Product No.	Description	1	10
567568	356-258♠	Insertion tool	\$41.05	\$38.97
567576	356-259♠	Pin extractor	24.69	23.46
567592	356-260♠	Socket extractor	24.69	23.46

MX150L Sealed Connectors

The MX150L™ connector system is designed to meet the needs for a rugged, environmentally sealed connector system supporting both low-level



signal and power applications.

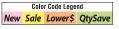
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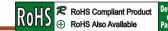
See Our Molex MX150L Series Offering at www.Jameco.com/Prod/MolexMX150L



Find additional AMP CPC Connectors, Contacts and Accessories at www.Jameco.com/Prod/CPC

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



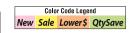


AMP

Contact plating

· Pin material: brass;

socket material: phosphor bronze



Quantity SAVE

Lower \$\$\$

*Fig. 2 (female)

*Fig. 4 (female)

*Fig. 6 (female)

D-Sub Contacts

*A: Select - gold flash over nickel on entire contact,

with additional gold (0.000030") on mating end;

*B: Duplex - gold (0.000030") on mating end,

tin-lead on termination end, with entire contact

nickel underplated; *C: gold flash over nickel on

entire contact; *D: gold flash on mating end,

· For use with AMP D-sub connectors (see left)

With Insulation Support

Without Insulation Support

Without Insulation Support

tin-lead on termination end, with entire

contact nickel underplated

Fig. 1 (male)

*Fig. 3 (male)

*Fig. 5 (male)

· Minimum order 10 pieces

AMP

D-Subminiature Connectors

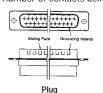
- Dielectric withstanding voltage: 1000VAC (one minute) Insulation resistance: $5000M\Omega$
- Nylon, flame retardant, 94V-0 rated, glass filled
- · Low-cost, high-performance, precision formed crimp contacts
- Standard mounting method with 0.120" diameter mounting holes





Crimp-Type Contacts

- · Current rating: 1.2A to 3.7A
- · Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts allows loading of only the number of contacts being used



Zinc-Plated Shell





222691



Part No.

222957

222965

222973

Part No.

222990

223001

223010

223028

223052

223061

223079

223087

Part No.



Zinc-Plated Shell



Product No. Cont. Desc

747904-4 3 9

747908-4 3 15

223010

747904-2 (+) 9

747912-2 35

747916-2 37

747905-2⊕ 9

747909-2 15

747913-2 25

747917-2⊕ 37

· Cable clamp type: clam shell

· Cable exit angle: straight

Screw material: steel

· Screw plating: zinc

· Standard clam shell length

Body material, cable support gate,

and cable clamp: thermoplastic

Product No.

Product No. Cont. Description



Plug \$1.89 \$1.59 \$1.32

223079

Plug \$1.69 \$1.55 \$1.15 Plug 2.39 2.24 2.03

Plug 3.29

Plug 5.29

Receptacle 3.45

Receptacle 4.09

Receptacle 6.65

Plastic Hoods for

D-Sub Connectors

Receptacle 2.35 2.09

10

2.95 2.19

3.84

1.60

2.55

4.19

4.29

2.99

3.69 2.72

230914

10

❸ Blue Part No. = Limited Quantity

1.75

Part No.	Product No.	Cont.	Description 1	10	100
222640	205204-1⊕	9	Plug \$.73	\$.71	\$.68
222658	205206-1 ↔	15	Plug	.88	.66
222691	205203-1 ↔	9	Receptacle89	.80	.62
222703	205205-1 ↔	15	Receptacle84	.76	.60
222711	205207-1 ↔	25	Receptacle 1.05	.95	.71
222738	205211-1⊕	50	Receptacle 2.09	1.91	1.74

222981 747916-4 37 747905-4⊕ 9 223036 223044 747913-4 3 25

Tin-Plated Shell

Plug 2.65 2.19 747912-4 25 Plug 3.69 3.10 2.49 Plug 5.45 3.42 4.56 Receptacle 2.65 2.23 1.76 Receptacle 4.75 3.99 3.19

Tin-Plated Shell







			20.2		
Part No.	Product No.	Cont.	Description 1	10	100
222754	205204-3⊕	9	Plug \$1.29	\$1.15	\$.85
222762	205206-2⊕	15	Plug 1.20	1.08	.98
222789	205210-2⊕	37	Plug 2.39	2.30	1.23
222797	205204-4	9	Plug*83	.75	.57
222818	207464-2	25	Plug*88	.78	.58
222826	205210-3	37	Plug* 1.69	1.49	1.12
222834	205212-3⊕	50	Plug* 1.43	1.30	1.23
222842	205203-3	9	Recept69		.52
222914	205205-2	15	Recept. \$.88 .62	.55	.516

222/02	200200-2	10	Plug 1.20	1.08	.98
222789	205210-2⊕	37	Plug 2.39	2.30	1.23
222797	205204-4	9	Plug*83	.75	.57
222818	207464-2	25	Plug*88	.78	.58
222826	205210-3	37	Plug* 1.69	1.49	1.12
222834	205212-3⊕	50	Plug* 1.43	1.30	1.23
222842			Recept69		
222914	205205-2	15	Recept. \$.88 .62	.55	.516

^{*} With grounding indents

222922

D-Sub Pin Insertion/Extraction Tools

207463-1₹ 25 Recept...........68

527582/ 19094/223335: Plastic body; metal tips 223327: Handle with .050" hex wrench and exchangeable tips 223327

Part No.	Description	1	10
19094	Red/white plastic body	\$2.79	\$2.49
527582	AMP# 91067-1	6.89	6.55
223335	AMP# 91067-2 %	5.65	5.35
223327	AMP# 91285-1 2	19.99	18.99

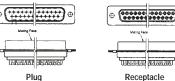
230893 205729-1 3 9 \$2.25 \$1.85 \$1.46 15 **2.19** 230906 205730-1 3 2.09 2.14 230914 205718-1 ↔ 25 **1.95** 1.74 1.65 205731-1⊕≎ 2.25 230922 37 **3.15** 2.64 230931 205732-1 ↔ 50 **\$2.95 2.55** 2.15 (1.61)

Positions

Find additional AMP D-Sub Connectors and Contacts at www.Jameco.com/Prod/DSub

Solder-Cup Contacts

- · Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- · Shields offer full EMI shielding and ESD insulation
- Anti-solder wicking contact design





1		-	•
	2	23044	
cription	1	10	100

Male	Crimn	Contacts	(size	20DF)
IVIAIC	CHILL	CUITIACIS	(SIZE	2001)

Part No.	Product No. 1	Desc.	* AWG	10	100	1000
223095	1-66507-0	10	28-24	\$.115	\$.092	\$.073
223124	66682-42	1A	28-24	.22	.176	.132
223108	66507-9	1A	28-24	.18	.12	.09
223132	745254-7 2	1 C	26-22	.25	.23	.22
223167	1-66506-0🗷	1C	24-20	.16	.15	.12
223175	205202-7	3C	24-20	.27	.26	.25
223183	5-66506-9⊕	1D	24-20	.21	.15	.13
223191	66506-9₹	1A	24-20	.16	.15	.112

Female Crimp Contacts (size 20DF)

Part No.	Product No. I	Desc.*	AWG	10	100	1000
223221	1-66505-0	2C	28-24	. \$.18	\$.12	\$.09
223239	66683-4 2	2A	28-24	16	.126	.108
223247	745253-6 ≈	2A	26-22	175	.127	.122
223255	1-66504-0🗷	2C	24-20	17	.15	.11
223263	205201-7	4C	24-20	136	.125	.094
223271	5-66504-7⊕	2D	24-20	16	.12	.10
223280	205201-5₹	4A	24-20	47	.396	.297
223298	66504-9 2	2A	24-20	17	.15	.13

Male Solder Contact (size 20DF)

Part No.	Product No.	Desc.	AWG	10	100	1000
234982	66570-3 2	5A	28-24	. \$.22	\$.152	\$.145

Female Solder Contact (size 20DF)

Part No.	Product No.	Desc.^	AWG 1	0	100	1000
223319	66569-3 2	6A	18 (max.) \$.22	5 \$.18	\$.162

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for RoHS version.



AMP - Biggest Name in Quality Connectors

AMP

AMPLIMITE™ D-Subminiature Connectors

HD-20 Right Angle PCB Mount 0.318" Setback



- Housing: 94V-0 rated thermoplastic, black
- Front shell: steel, tin plated
 Lead length: 0.125"
 Lead diameter: 0.026"
 Lead spacing: 0.108"
- Socket plating: A: 30µ" gold mating end, tin-lead terminating end, nickel under plated; B: gold flash mating end, tin-lead terminating end, nickel under plated

Without board locks, w/ threaded inserts

Part No.	Product No.	Plating	Pins	Gender	1	10
614125	745781-4	Α	9	F	. \$1.95	\$1.74
614248	745250-4	Α	9	Μ	2.19	2.00
614133	745782-4♠	Α	15	F	2.35	2.09
614221	745236-4♠	Α	15	M	5.69	5.23
614141	745783-4	Α	25	F	2.85	2.45
614230	745238-4♠	Α	25	Μ	3.65	2.95
614150	745784-4♠	Α	37	F	5.49	5.24

With board locks, w/ threaded inserts

Part No.	Product No.	Plating	Pins	Gender	1	10
614504	747844-4	Α	9	F	\$2.05	\$1.91
614441	747840-4	Α	9	M	1.45	1.29
614491	747844-3♠	В	9	F	1.75	1.60
614432	747840-3♠	В	9	Μ	1.55	1.42
614539	747845-4	Α	15	F	1.79	1.65
614467	747841-4	Α	15	M	2.15	1.96
614555	747846-4	Α	25	F	2.35	2.33
614475	747842-4	Α	25	M	3.25	2.92
614547	747846-3	В	25	F	2.55	2.15
614571	747847-4♠	Α	37	F	4.19	3.78
614483	747843-4♠	Α	37	Μ	4.55	4.09

With board locks, w/ fixed female screw locks

Part No.	Product No.	Plating	Pins	Gender	1	10
614459	747840-6♠	Α	9	M	\$1.89	\$1.71
614512	747844-5♠	В	9	M	1.79	1.60
614521	747844-6♠	Α	9	F	1.75	1.65
614563	747846-6♠	Α	25	F	3.09	2.77

HD-20 Straight PCB Mount





- · Housing: 94V-0 rated thermoplastic black
- Shell: steel, tin plated · Lead spacing: 0.108"
- · Lead diameter: 0.026'
- Socket contacts phosphor bronze w/ 30µ" gold on mating end, tin-lead termination end, 50µ" nickel underplated Lead length: 0.5"

With female screw locks

Part No.	Product No. Pir	s Gender	1	10	100
614934	1-747150-4♠ 9	F	\$4.89	\$4.42	\$4.17
614580	747871-2 ♠ 9	M	4.05	3.95	3.75
525296	1-745967-4♠ 2	5 F	5.19	4.65	4.39

With 4-40 threaded inserts

Part No.	Product No.	Pins	Gender	1	10	100
614213	747150-8♠	9	F	\$4.39	\$4.01	\$3.78
614598	747871-8♠	9	M	4.05	3.65	3.45
614176	747967-8♠	25	F	6.29	5.66	5.35

With standard mounting holes

with star	iuai u ilioulii	iliy ii	0163			
Part No.	Product No.	Pins	Gender	1	10	100
614205	747150-2♠	9	F	\$5.25	\$4.85	\$4.72

HDE-20 Metal Shell IDC Connectors

- · Front shell: steel, tin plated
- Contacts: phosphor bronze
- Plating: 30µ" gold on mating end, tin-lead on termination end, with entire contact nickel underplated
- Contact identification No. 2 for 26-22AWG

Part No.	Product No. F	ositions	1	10	100
614070	747491-2♠	9\$	2.35	\$1.91	\$1.67

HDF-20 Low Profile Metal Shell (For Round Conductor Flat Ribbon Cable)





- · Housing cover and cable stabilizer: 94V-0 rated thermoplastic, black
- · Front shell: steel, tin plated
- Contacts: phosphor bronze with 30µ" gold on mating end, 100µ" bright tin-lead terminating end, nickel underplated

With standard mounting holes

Part No.	Product No.	Pins	Gender	1	10	100
614328	747303-4♠	9	F	\$4.25	\$3.80	\$3.59
614361	747306-4♠	9	Μ	3.95	3.90	3.75
614310	747303-3	15	F	4.49	4.45	4.35
614352	747306-3♠	15	Μ	4.49	4.45	4.35
614301	747303-2	25	F	6.09	5.49	5.19
614344	747306-2	25	Μ	5.99	5.39	5.08
614299	747303-1♠	37	F	8.05	7.21	6.90
614336	747306-1♠	37	Μ	8.05	7.21	6.80

With threaded inserts

Part No.	Product No.	Pins	Gender	1	10	100
525481	747043-4♠	9	М	\$5.39	\$4.29	\$4.05
525499	747052-2♠	25	F	. 7.05	6.39	5.76

Thermoplastic body w/ standard mounting holes

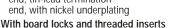
Part No.	Product No.	Pins	Gender	1	10
614387	747318-4	9	F	\$3.99	\$3.49
614408	747321-4	9	M	4.39	3.75
614379	747318-2♠	25	F	8.25	5.04
614395	747321-2♠	25	M	5.59	5.04

Cable stabilizers

Part No.	Product No.	Positions	1	10	100
614281	747275-4♠	9	\$.22	\$.195	\$.166
614272	747275-3♠	15	25	.22	.19
614264	747275-2♠	25	29	.26	.247
614256	747275-1♠	37	33	.293	.26

HD-22 Right Angle PCB Solder 0.350" Setback

- · Front shell: steel, tin plated
- · Housing: 94V-0 rated thermoplastic, black
- Socket: phosphor bronze with 30µ" gold on mating end, tin-lead termination



Part No.	Product No.	Pins	Gender	1	10	100
614715	748481-5♠	26	F	\$4.99	\$4.53	4.28
614723	748482-2♠	44	F	3.15	2.84	2.69

Sorry, we're unable to ship COD.

614715

AMP

AMPLIMITE™ D-Sub **Connector Accessories**





614424

- · Die cast shield material and finish: zinc alloy, plated bright nickel over bright copper
- Plastic shield:thermoplastic black
- · 4-40 fillister head screws & hex nuts: steel, zinc plated
- · 4-40 mounting screws: steel zinc plated
- · Jackscrews: stainless steel, passivated

Die cast cable clamps

Part No.	Product No.	Cable (O.D) max.	1	10
614029	745171-1♠	0.240"	\$4.05	\$3.67
614037	745171-2	0.200"	5.45	5.02
614045	745172-1♠	0.375"	4.49	4.08
614053	745172-2♠	0.300"	5.19	4.46
614061	745173-3♠	0.430"	4.29	3.89
Lastrasia				

Jackscrews

Part No.	Product No.	Thread Size 1	10
525544	747784-8	4-40 \$4.79	\$4.70
614424	747784-3	4-40 1.89	1.73

Spring Latch

· Material: stainless steel (for use with HDE and HDP metal shell)

Part No.	Product No.	1	10
614117	745779-2♠\$.9	99	\$.90

HDP-20 Basic Shielding Plug Hardware Kit

- · Kit contains connector,
- inner shield, outer shield Connector shells:
- steel, tin plated
- Connector insert: thermoplastic
- black, 94V-0 rated
- Shield: steel, tin plated
- Recommended cable insulation dia.: 0.165"–0.455"

Part No.	Product No.	Pos.	Max. Cable Dia.	1	10
614416	747522-1♠	9	0.350"	\$1.65	\$1.38

Rear Panel Mount Jack Socket Assembly

Install jack socket and attach lockwasher and nut.

 For use with 0.062" (1.57mm)





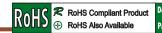
Part No. Product No. Description

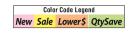
609-006-1 Jack socket assembly \$5.49 \$4.97



Find additional AMP D-Sub Connectors and Accessories at www.Jameco.com/Prod/DSub

🕏 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges





D-Subminiature Connectors Quantity SAVE

- · Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC Dielectric withstanding voltage: 1000V (one minute)
- · Current rating: 1A to 5A · High temperature thermoplastic
- · Insulation material: PBT

Right Angle PC Mount



Cross







Current rating: 1A

	UI U33						
Part No.	Ref. No.	Cont.	Gender	1	10	100	500
104943	DB9P318 ≉	9	M \$.55	\$.50	\$.45	\$.38
104952	DB9S318 ₹	9	F	.60	.55	.49	.45
71125	DA15P318 ₹	15	М	.69	.59	.55	.49
77956	DA15S318⊕	15	F	.79	.69	.65	.45
168743	HDDB15S318	⊕ 15*	М	.69	.62	.56	.51
71466	HDDB15S318	⊕ 15*	F	.59	.53	.48	.39
15150	DB25P318 ₹	25	М	.79	.65	.55	.45
15182	DB25S318 ₹	25	F	.89	.79	.72	.65
265439	DSUB-25F	25	F	.94	.84	.67	.51
71707	DC37P318 ₹	37	М	.99	.89	.80	.66
78183	DC37S318 ₹	37	F 1	.15	.95	.69	.49

^{*}High Density



Metal .590" Set Back

- Lead length: .178" Lead spacing: .104"
- Current rating: 1A
- Lo



ng style	104978

Part No.	Ref. No.	Cont.	Gender	1	10	100
104969	DB9P590⊕	9	М	\$.99	\$.83	\$.72
104978	DB9S590 ≈	9	F	89	.79	.75
104993	DA15S590 ⊕	15	F	1.05	.91	.63
105006	DB25P590 ≈	25	Μ	99	.89	.79
105013	DB25S590 ⊕	25	F	1.25	1.12	.99

IDC Ribbon Cable

Current rating: 1 amp

Cross

- · Insulation material: glass-filled polyester
- Temperature range: -55°C to +120°C
- · Contact material:
- phosphor bronze
- Terminates with standard D-type connectors Shell: MD: metal; CD: plastic (see cross ref. no.)
- Blue Part No. = Limited Quantity Available

	Cross	-				
Part No.		Cont.	Gender	1	10	100
109226	MDB9P ≈ †	9	M \$	1.39	\$1.29	\$1.13
12503	CDB9P⊕	9	M	2.49	1.79	1.59
109217	MDB9S⊕ [†]	9	F	1.55	1.23	1.08
12521	CDB9S ≈	9	F	2.59	2.35	2.09
117381	MDA15P⊕	15	M	1.65	1.32	.73
12298	CDA15P⊕¢	15	M	1.79	1.52	1.15
116011	MDA15S⊕	15	F	1.55	1.25	.85
12319	CDA15S⊕	15	F	1.79	1.50	.73
115983	MDB25P⊕	25	M	2.05	1.83	1.54
12335	CDB25P⊕	25	M	1.89	1.69	1.29
115976	MDB25S ₹	25	F	2.05	1.83	1.54
12432	CDB25S₹	25	F	1.95	1.79	1.39
115992	MDC37P ₹	37	M	2.39	2.15	1.55
12466	CDC37P⊕	37	M	3.09	2.93	2.74
116003	MDC37S⊕	37	F	3.25	2.94	2.65
12483	CDC37S ≈	37	F	3.49	2.99	2.25
† Requires fla	t cable w/ .0625'	center:	S			

Crimp-Type Connectors & Pins

Connectors: metal shell; removable male/female crimp pins





- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use 99443, pg 292 to crimp 43377, 43369

000 / / 10/ pg 2/2 to 0.1111p 100/ / 1000 /							
* Prepackag	* Prepackaged: please order in increments of 10						
Part No.	Description 1	10	100	1000			
73189	DB9 M housing \$.49	\$.39	\$.31	\$.19			
73197	DB9 F housing	.39	.31	.19			
73201	DA15 M housing ₹59	.53	.48	.43			
73219	DA15 F housing ₹ 62	.56	.50	.44			
180882	HDDB15 M housing ₹ * 1.09	.98	.78	.58			
180890	HDDB15 F housing⊕*89	.79	.72	.54			
38789	DB25 M housing	.44	.36	.21			
38771	DB25 F housing	.44	.31	.21			
43377	M crimp pin \ast	.10	.09	.08			
43369	F crimp pin $*$.08	.07	.06			
185421	M crimp pin (180882) ₹ *	.055	.045	.04			

F crimp pin (180890) ⊕ * .055 .05

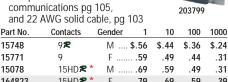
Insert./extract, tool for above pins (HT101) 2.79 2.49

* High Density

185412

JAMECO ValuePro Metal Solder-Cup

· Compatible with 24 AWG communications pg 105,



15/48	97	M \$.56	\$.44	\$.36	\$.24
15771	9	F59	.49	.44	.31
15078	15HD ₹ *	M69	.59	.49	.31
164823	15HD ₹ *	F79	.69	.59	.39
15035	15₹	M55	.49	.42	.29
15051	15⊕	F59	.49	.39	.24
15115	25%	M99	.89	.79	.71
15157	25	F89	.80	.69	.61
203799	26HD⊕*	M65	.58	.52	.49
203782	26HD ₹ *	F	.68	.61	.58
15472	37⊕	M99	.85	.79	.49
15500	37₹	F 1.19	1.05	.85	.49
15676	50 2	M 1.65	1.49	1.35	.99
15691	50⊕	F 1.79	1.39	1.32	.99

Other Manufacturers — Great Deals						
482687	25	M \$.80	\$.72	\$.62	\$.45	
482708	25	F80	.72	.62	.45	
639630	37	M89	.80	.71	.49	
482724	37	F89	.80	.71	.49	
482732	50	M 1.49	1.34	1.21	.89	
482741	50	F 1.49	1.34	1.21	.89	

Quantity SAVE

16548

JAMECO ValuePro Metal Straight PC Mount

· Non-removable contacts

• Operating temperature: -65° to +250°F Current rating: 5A

Current rating. 5A			• 125 VIIIIS			
Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
111691	DB9PPCB⊕	9	M \$.55	\$.45	\$.32
15781	DB9SPCB ≈	9	F	.55	.45	.32
176760	DA15PPCB⊕	15	Μ	.49	.44	.33
176751	DA15SPCB⊕	15	F	.49	.42	.315
15123	DB25PPCB ₹	25	Μ	.65	.59	.52
15165	DB25SPCB⊕	25	F	.74	.67	.39
100021	DC27SDCD (A)	27	Е	96	90	60

D-Sub Connector Hoods



Use with D-sub solder cup and housing style connectors (hardware included)



25620 Metallized

D Series: plastic hood with strain relief (gray) MD Series: metal coated plastic hood w/ strain relief MH Series: die-cast metal hood with strain relief

O	Blue	Part	No. =	Limited	Quantity	Available

Part No.	Cross Ref.	Connector 1	10	100	1000
15722	DB9H ≈	9-pin \$.49	\$.45	\$.39	\$.35
25620	MDB9H	9-pin59	.49	.39	.35
147741	MHDB9 ₹	9-pin 1.45	1.29	1.15	.99
15018	DA15H⊕	15-pin49	.45	.40	.35
25566	MDA15H €	15-pin 56	.44	.36	.31
15086	DB25H ≈	25-pin45	.39	.35	.32
25603	MDB25H €	25-pin o .59	.49	.42	.35
15106	MHDB25€	25-pin 1.39	1.19	1.09	1.02
15457	DC37H ₹	37-pin 59	.55	.45	.39
25611	MDC37H €	37-pin 75	.69	.59	.443
15660	DD50H ≈	50-pin .99	.85	.75	.65

25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors. Applications include custom jumper boxes and interconnects.



			-		
Part No.	Description 1		10	100	500
34091	25-pin, plastic dual⊕\$.95	\$.	85	\$.75	\$.59

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs



* Minimum order 10 pieces

Part No.	Description	- 1	10	100	1000
196293	.252"L jack screw⊕	\$.27	\$.21	\$.12	\$.08
169931	.275"L jack screw⊕	*	.15	.112	.084
172603	.315"L jack screw	*	.121	.101	.076
102816	.435"L jack screw⊕	.49	.46	.41	.37
108986	.515"L jack screw⊕	.55	.50	.45	.40
125015	4-40 x 1.65"L plastic				
	beige thumbscrew	.39	.35	.32	.25
175636	.187"L standoff⊕	24	.21	.15	.10
102795	.236"L (6mm) stdf 🕙	.24	.21	.15	.10

4-40 Screw Sets

102808 16548

102808: 4-40 screw (.385"L) and retainer set 16548: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

 Prepackaged: please order in increments of 10 						
Part No.	Description	10	100			
102808	Screw/retainer set ⊕	\$.39	\$.35			

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1. RoHS compliant product



.25

1000 \$.30

Cinch

D-Sub Metal Shells

- · Insulator material: glass filled polyester (black) UL94V-0 rated
- Insulation resistance: $5000M\Omega$ max. (initial)

- · Current: 5A
- · Durability: 500 mating cycles

DxKL Series





- · Contact material: socket phosphor bronze (stamped); plugs - brass (stamped)
- · Contact plating: gold flash, tin/lead on tails over nickel
- · Metal shell: steel w/ tin plating (grounding indents on plugs)
- Contact resistance: 15mΩ max.

Right Angle

- 0.318" foot print
- · Boardlock: brass w/ tin plating
- Female screwlocks: brass w/ nickel plating
- · Withstanding voltage: 1250Vrms

With 4-40 threaded inserts

Part No.	Product No.	Positions	Gender	1	25
446547	DAKL-9PATI-E♠	9	Μ	\$.79	\$.73
446571	DAKL-15PATI-E	1 5 1 5	Μ	1.05	.91
458046	DAKL-15SAT-E₫	15	F	1.05	.91
446483	DBKL-25SAT-E	25	F	1.05	.96

Sockets w/ female screwlocks

Part No.	Product No.	Positions	1	25
446475	DBKL-25SAT-F	25	. \$.59	\$.541

Vertical PCB

- · Straight DIP solder tails
- 0.024" contact diameter
- · Withstanding voltage: 1000Vrms

Part No.	Product No.	Positions	Gender	1	25
458097	DEKL-9PUTI ♠	9	Μ	\$.49	\$.437
458100	DEKL-9SUT♠	9	F	77	.68
458054	DAKL-15PUTI♠	15	Μ	92	.81
458062	DAKL-15SUT♠	15	F	94	.83
458071	DBKL-25PUTI♠	25	Μ	76	.69
458089	DBKL-25SUT♠	25	F	91	.76

Cinch

D-Sub Solder Cup IDC Connectors

458011

Tx Series Plastic IDC for Discrete Cable Wire

- · Current: 3A
- · Insulator material: glass filled polyester (black) UL94V-0 rated
- · Shell: steel with zinc plating, yellow chromate finish or tin plating
- (ground indents on plugs)
- Contact material: phosphor bronze (stamped)
- Contact plating: gold flash or 30µ" gold in mating area, gold flash over nickel
- Withstanding voltage: 1000Vrms min
- Contact resistance: 2.7mΩ max.
- Insulation resistance: 5000MΩ max. (initial)
- · Durability: 500 mating cycles
- · For use with SDH series gray backshell

Plain flange, w/ mounting holes

Part No.	Product No.	Positions	Gender	1	25
458003	TE9P ♠	9	M \$	2.75	\$2.05
457991	TB-25S♠	25	F	4.85	3.61
458011	TC-37P♠	37	М	4.39	4.13

D Series







· Connector shell: steel w/ zinc plating, yellow chromate finish or tin plating (grounding indents on plugs)

- 4-40 clinch nut: steel w/ cadmium plating & yellow
- chromate finish Contact material: copper alloy · Dual float bushing: stainless steel, passivated
- · Withstanding voltage: 1250Vrms
- Contact resistance: 2.7mΩ max.
- · Contact plating: stamped contacts gold flash

With mounting holes

Part No.	Product No.	Positions	Gender	1	25
457959	DE-9P♠	9	Μ	\$1.95	\$1.70
458169	DE-9S♠	9	F	. 2.35	2.07
458118	DA-15P♠	15	Μ	. 3.39	2.98
458142	DA-15S ♠	15	F	. 2.39	2.10
458126	DB-25P	25	Μ	. 2.05	1.95
458151	DB-25S	25	F	. 3.19	2.83
458134	DC-37P♠	37	Μ	. 3.89	3.66
457967	DC-37S♠	37	F	. 6.49	6.05
457975	DD-50P♠	50	Μ	. 6.29	5.62
458038	DD-50S♠	50	F	21.39	19.16

Wire Wrap, 0.375"L tail, w/ mounting holes

Part No.	Product No. Positions	Gender 1	25
458257	DE-9P-F179 ◆ 9	M \$3.19	\$2.79
458265	DE-9S-F179 ◆ 9	F 4.95	4.49
458177	DA-15P-F179 ♠ 15	M 3.75	3.54
458185	DA-15S-F179 ♠ 15	F 6.55	6.35
458193	DB-25P-F179♠ 25	M 5.29	5.02
458206	DB-25S-F179 ♠ 25	F 7.99	7.56
458214	DC-37P-F179 ◆ 37	M 7.35	6.97
458222	DC-37S-F179 全 37	F 11.49	10.77
458249	DD-50S-F179 ◆ 50	F 15.15	14.39
Miro Mr	an O FOF"I toil w/ ma	ounting holos	

wire wrap, 0.585 L tail, w/ mounting noies						
Part No.	Product No.	Positions	Gender	1	25	
458020	DB-25PTI-F179	9C ♠ 25	M	\$5.49	\$5.20	

Cinch **D-Sub Plastic Hoods**

- · Shell material: phenolic hood—phenolic black; all plastic straight (180°) hood—nylon, gray; all plastic right angle (90°) hood—nylon, gray
- #4-40 screws: steel w/ nickel plating



446715

Part No.	Product No. [Density	Description	1	25
446686	DE-51218-1 ♠	9	Straight \$2.	99	\$2.78
446694	DA-51210-1 	15	Straight 3.	69	3.45
446707	DB-51212-1 ♠	25	Straight 3.	45	3.17
446715	DB-51213-1B ♠	25	Rt. angle 2.	85	2.69
446678	DB-51226-1A ◆	25	Straight 2.	89	2.17

Std.

Metal D-Sub Cinch Junction Shells

- · Shell material: zinc plated low carbon steel with yellow
- chromate finish
- Clamp & screw: zinc plated steel with yellow chromate finish
- · Stop nut: zinc plated brass w/ yellow chromate finish

446871

446918

Right Angle Clamp

Part No.	Product No. Sh	ell Size	Std. Density	1	25
446889	DE-19977-5 ♠	E	9 \$	3.55	\$3.27
446862	DA-19977-1 	Α	15	3.09	2.88
446871	DB-19977-2	В	25	3.49	3.25

Straight Clamp

J	itd.	
Part No. Product No. Shell Size De	nsity 1	2!
446934 DE-24567 ♠ E	9 \$4.19	\$3.84
446926 DA-24658 ♠ A	15 3.35	3.06
446660 DB-19678-2♠ B	25 2.65	2.04
446900 DB-24659 ♠ B	25 2.75	2.50
446651 DC-19678-3♠ C	37 2.89	2.75
446918 DC-24660 ♠ C	37 2.85	2.62
446897 DD-24661♠ D	50 3.65	3.44

Cinch **D-Sub Backshells**

- · Fits standard metal shell D-sub plugs & sockets as well as HTD series 1.5 D-Subs
- · #4-40 screws, hex-nut, mounting bracket: steel w/ zinc plating and clear chromate plating
- Standard backshells: plastic backshells, ABS black, hardware - steel with zinc plating, grommets - polyphenylene, black
- Metallized plastic backshells: ABS w/ nickel over copper plating, hardware - steel w/ zinc plating, grommets - PVC black
- Diecast backshells: diecast zinc; grommets: PVC black

Metallized Plastic Straight (180°) Cable Entry

Dt M.	Donato et Ma	Std.	0-1-1- 01-		0.5
Part No.	Product No.	Density	Cable Dia.	1	25
446766	DHC-E-001♠	9	.21"35"	\$3.09	\$2.68
446774	DHC-A-001♣	15	.21"35"	. 2.25	2.09
446782	DHC-B-001♠	25	.21"35"	. 3.25	2.94
446791	DHC-C-001♠	37	.23"45"	. 3.39	3.15
446803	DHC-D-001 	50	.35"64"	. 5.95	4.43

Diecast Metal Straight (180°) Cable Entry

Part No.	Product No.	Std. Density	Cable Dia.	1	25
446811	DMH-E-001 ♠	9	.21"32"	\$3.55	\$3.33
446820	DMH-A-001 	15	.21"32"	4.65	4.01
446838	DMH-B-001 ♠	25	.23"45"	4.35	4.08
446846	DMH-C-001 	37	.35"65"	6.09	5.32
446854	DMH-D-001 	50	.35"64"	4.75	4.48

Plastic Straight (180°) Cable Entry

		Std.			
Part No.	Product No.	Density	Cable Dia.	1	25
446723	DPH-E-001♠	9	.21"32" \$	1.65	\$1.52
446731	DPH-A-001 	15	.21"32"	1.55	1.40
446740	DPH-B-001 ♠	25	.23"45"	1.95	1.79
446758	DPH-C-001♠	37	.35"65"	1.99	1.91

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges.



D-Sub Hardware



Female Screwlocks

420363

Cinch

Super D System **D-Sub Backshells**







SDH Series For Metal Shell Connectors

- · Cinch Super D interconnection system is a simple, fast, economical, and reliable for mating connectors from cable-to-cable or cable-to-panel
- · Snap on plastic hoods captivate connectors providing positive self-latching, audible mating w/ reliable retention & Latch-N-Lok™ quick release disconnect
 • For any standard shell IDC, solder cup, crimp & poke
- type D-Sub connectors
- · Includes stay band to strain relief cable wire
- · Hood: modified phenylene oxide (black for metal, gray for plastic) · Latch lock: diecast zinc
- Screws: for latching blocks: steel w/ nickel plating
- Stay band: steel w/ zinc plating & clear chromate

Straight (180°) Cable Entry (Black) Filler Ends, Standard Cable Opening

Product No. Positions

447056	SDH-9BF♠	9	. \$2.09	\$1.54		
447064	SDH-15BF♠	15	1.25	1.15		
Filler Ends w/ 4-40 Screws, Standard Cable Opening						
Dank Na	Dundrick No.	Daaltiana	- 1	25		

Part No.	Product No.	Positions	1	25
447030	SDH-9BFCS♠	9	\$2.09	\$1.54
447048	SDH-15BFCS♠	15	2.09	1.87
Latabas Standard Cable Onanina				

Lateries, Standard Cable Opening					
Part No.	Product No.	Positions	1	25	
446951	SDH-9BL 	9	\$1.31	\$1.19	
446969	SDH-15BL♠	15	2.55	1.91	
446977	SDH-25BL♠	25	1.59	1.43	
446985	SDH-37BL♠	37	1.59	1.44	

Latches	Large Cable	Opening		
Part No.	Product No.	Positions	1	25
116002	CU∏ 3EDII▼	25	¢2 55	\$2.26

Right Angle (90°) Cable Entry (Black) Latches, Standard Cable Opening

Part No.	Product No.	Positions	1	25
447005	SDH-9RBL♠	9	. \$3.99	\$3.75
447013	SDH-25RBL♠	25	3.45	3.25

Latches, Large Cable Opening

Part No.	Product No.	Positions	1	25
447021	SDH-25RBLL♣	25	\$3.75	\$3.53

SDH Series For Plastic Connectors (Gray)

- · Fits only T-series all plastic IDC connectors
- · Straight (180°) Cable Entry (grey) Backshell for Plastic Connectors

Latches, Standard Cable Opening

Part No.	Product No.	Positions	1	25
446942	SDH-9GL 	9	\$1.79	\$1.71

Latching Blocks for Super D Adapter System

444867: Latching block w/ SEM screw (0.060" - 0.080" panel thickness)444875: Latching block w/ SEM screw (0.080" – 0.125" panel thickness)

Part No.	Product No.	1 25
448593	SD-LB♠\$.50	9 \$.545
444867	SD-LB-060-080♠ 1.44	4 1.32
444875	SD-LB-125♠ 1.4 !	5 1.33

Cinch

Male Screwlocks

- · For junction shells and standard backshells
- Length: 0.250" (444541: per mil spec)

Part No.	Product No.	For use with 1	25
444592	D20419-0 	Standard backshell plug 9/15; socket 9/15/25/37	\$.359
444605	D24019-16♠	Junction shell socket 9/15/25/37 & standard backshell plug 25/37	.492
444621	D20420-0 ♠	Standard shell 50	.443
444541	M24308/25-9F ◆	Standard backshell plug/socket 9/15/25/37	3.60

Female	Screwlocks	 Military MIL-C-24308 	 Length: per mil spec 	
Part No.	Product No.	For use with	1	25
444955	M24308/26-1F♠	Standard backshell plug/socket 9/15/25/37/50	\$.59	\$.55
444939	M24308/26-2F	Standard hackshell plug/socket 9/15/25/37/50	85	79

Cinch

D-Sub Dust Caps

Dust Caps

- For use with Cinch D-Sub connectors
- Protects connectorcontacts when not mated
- Material: polyethylene, black



Lower \$\$\$

448403 DE-60-20♠ 9 Plug 1.38 1.2 448420 DA-59-20♠ 15 Socket 1.37 1.2 448374 DA-60-20♠ 15 Plug 1.37 1.2	Part No.	Product No.	Std. Density	Gender	1	25
448420 DA-59-20♠ 15 Socket 1.37 1.2 448374 DA-60-20♠ 15 Plug 1.37 1.2	448411	DE-59-20 	9	Socket .	. \$1.15	\$1.10
448374 DA-60-20♠ 15 Plug 1.37 1.2	448403	DE-60-20 ◆	9	Plug	1.38	1.25
3	448420	DA-59-20 ◆	15	Socket .	1.37	1.25
440204 DD F0 204 2F CI 4.24 4.3	448374	DA-60-20 ◆	15	Plug	1.37	1.25
448391 DB-59-20€ 25 SOCKEL 1.34 1.2	448391	DB-59-20 ◆	25	Socket .	1.34	1.22
448382 DB-60-20♠ 25 Plug89 .8	448382	DB-60-20 ♠	25	Plug	89	.85
448585 DD-60-20♠ 50 Plug 1.35 1.2	448585	DD-60-20 	50	Plug	1.35	1.25

Cinch

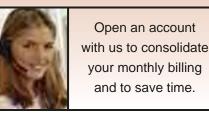
D-Sub Slidelock Assemblies

- · Compatible w/ all Cinch backshell, hoods, & iunction shells (except DxH/SHD/Phenolic Hood series)
- Compatible w/ all Cinch metal shell D-Sub connectors
- · Slidelock plate: stainless steel, passivated
- Slidelock hex nut, washer, & 4-40 screw: steel w/ zinc plating, yellow chromate finish
- Lockpost, washer, lockwasher, & hex nut: steel w/ zinc plating, yellow chromate finish
- 444921: Standard density: requires two on each slide lock assembly Lower \$\$\$

Lock Retainers

Part No.	Product No.	Std. Density Pins	1	25
444584	DE-51224-1 ♠	9	\$1.65	\$1.42
444568	DA-51220-1 	15	1.25	1.16
444576	DB-51221-1 	25	1.27	1.19
444963	DD-51223-1 	50	99	.91
444921	D53018 ♠	—	47	.424

Commercial Customers



Blade pin

.049" (1.25mm) Shrouded **Vertical Headers**

EXCLUSIVE

53047 Series Value Equivalence

- · Wire to board
- · Friction lock
- · Current rating: 1A Voltage rating: 125V
- UL94V-0 rated
- · Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: $100M\Omega$ min.
- · Housing material: PA polyimide (Nylon) 6/6
- Contact material: phosphor bronze
- · Contact and tail plating: tin

Part No.	Cross Ref. No.	Circuits 1	10	100
420339	53047-0210	2 \$.33	\$.268	\$.192
420347	53047-0310	3 37	.325	.235
420355	53047-0410🗷	447	.388	.28
420363	53047-0510	5 .57	.474	.336
420371	53047-0610	6 .65	.511	.369
420380	53047-0710	7 .67	.60	.43
420398	53047-0810	872	.63	.456
420401	53047-0910	9 .80	.70	.501
420419	53047-1010	10 .88	.76	.547

.049" (1.25mm) Shrouded Right Angle Headers

53048 Series Value Equivalence

- · Wire to Board
- Blade pin

- · Friction lock
- · Current rating: 1A
- Voltage rating: 125V UL94V-0 rated
- · Withstanding voltage: 250VAC/1 min. Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- · Housing material: PA polyimide (Nylon) 6/6
- · Contact material: phosphor bronze
- · Contact plating: tin · Pin size: blade

EXCLUSIV

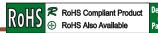
Part No.	Cross Ref. No.	Circuits 1	10	100
420427	53048-0210	2 \$.35	\$.314	\$.216
420435	53048-0310	3 .43	.383	.264
420443	53048-0410	450	.433	.313
420451	53048-0510	5 .59	.545	.392
420460	53048-0610	6 .64	.56	.403
420478	53048-0710	763	.54	.391
420486	53048-0810	8 .79	.68	.493
420494	53048-0910	988	.75	.539
420507	53048-1010 2	10 .98	.94	.63

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges Sorry, we're unable to ship COD.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1. RoHS compliant product



420460





.049" (1.25mm) Pitch Housing

51021 Series Value Equivalence

- · Wire to board or wire to wire
- UL94V-0 rated
- · Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: $100M\Omega$ min.

- · Housing material: PBT polyester
- · Dielectric withstanding voltage: 250VAC/1 min.

Part No.	Cross Ref. No.	Circuits	1	10	100
420241	51021-0200≉	2 \$.23	\$.178	\$.123
420259	51021-0300 ≉	3	.23	.217	.157
420267	51021-0400₽	4	.25	.233	.168
420275	51021-0500₽	5	.29	.26	.216
420283	51021-0600 ≉	6	.32	.268	.21
420291	51021-0700₽	7	.36	.308	.244
420304	51021-0800₽	8	.39	.34	.254
420312	51021-0900 2	9	.42	.363	.296
420321	51021-1000≉	10	.45	.387	.304



.049" (1.25mm) **Pitch Crimp Terminals**

For 51021 Series Value Equivalence

- · Female crimp pins
- 668457: 26-28AWG; 668473: 28-32AWG
- · Contact material: phosphor bronze
- Pre-plated
- Plating contact: 0.9µm (35µ") tin

Part No.	Product No.	1	10	100	500	
668457	50079-8100 2	\$.20	\$.113	\$.107	\$.10	
668473	50058-8100≉	20	.113	.107	.10	



.079" (2.0mm) Dual Row **Vertical Headers**

378581

87758 Series Value Equivalence

- · Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- · Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.

EXCLUSIVE

Part No.	Cross Ref. No.	Circuits 1	10	100
378521	87758-0416	4 \$.35	\$.292	\$.24
378530	87758-0616	6 .67	.57	.418
378548	87758-0816	8 68	.57	.464
378556	87758-1016	10 .58	.489	.40
378564	87758-1216	12 .72	.61	.496
378572	87758-1416	14 .75	.63	.512
378581	87758-1616	16 .78	.66	.528
378599	87758-1816	18 .89	.74	.60
378601	87758-2016	20 1.15	.96	.78
378610	87758-2216	22 1.16	.98	.79
378628	87758-2416	24 1.19	1.00	.81
378636	87758-2616	26 1.39	1.18	.96
378652	87758-3016	30 1.49	1.26	1.02
378708	87758-4016	40 1.89	1.60	1.30
378724	87758-4416	44 2.09	1.76	1.42
378759	87758-5016	50 2 09	1 80	1 46



.079" (2.0mm) Pitch Milli-**Grid Right Angle Headers**

378804

CLUSIVE

87760 Series Value Equivalence

- · Current rating: 2A
- Voltage rating: 125V
- Under plating: nickel UL94V-0 rated
- · Withstanding voltage: 500VAC
- Contact Resistance: 25mΩ max.
- Insulation resistance: $1000M\Omega$
- · Housing material: PCT Polyester, glass filled
- Contact: Phosphor bronze
- Contact plating: 0.38µm (15µ") gold selective
- Plating tail: 1.9µm (75µ") tin
- Pin size: 0.50mm (0.20") square

l	Part No.	Cross Ref. No.	Circuits 1	10	100
l	378775	87760-0616	6 \$.46	\$.435	\$.343
l	378783	87760-0816	8 .49	.418	.336
l	378804	87760-1216 2	12 .72	.61	.496
l	378812	87760-1416	14 .76	.64	.52
l	378821	87760-1616 2	16 1.06	.90	.72
	378839	87760-1816 2	18 .91	.79	.62
	378847	87760-2016	20 .91	.79	.62



.079" (2.0mm) Pitch Milli-Grid Housing

51110 Series Value Equivalence

- · Housing: polyester, glass filled
- Temperature: -55°C to +105°C
- Vertical wire entry angle Dual row





377991

w/o Polarizing Key

Part No.	Cross Ref. No.	Circuits 1	10	100
377975	51110-0450 	4 \$.25	\$.158	\$.128
377983	51110-0650 2	6 .26	.166	.16
377991	51110-0850 	8 .27	.173	.143
378003	51110-1050 ≉	10 .29	.19	.152
378011	51110-1250 ≉	12 .31	.197	.184
378020	51110-1450 	14 .36	.284	.256
378038	51110-1650 	16 .44	.276	.224
378046	51110-1850 2	18 .47	.30	.24
378054	51110-2050 	20 .52	.331	.272
378062	51110-2250 2	22 .68	.61	.408
378071	51110-2450 ≉	24 .63	.402	.32
378089	51110-2650 	26 .68	.426	.40
378097	51110-2850 	28 .75	.466	.376
378100	51110-3050 	30 .79	.497	.40

w/ Polarizing Key						
Part No.	Cross Ref. No.	Circuits 1	10	100		
378142	51110-0851	8 \$.28	\$.173	\$.144		
378151	51110-1051	10 .30	.189	.152		
378169	51110-1251	12 .31	.197	.16		
378177	51110-1451 🗷	1437	.229	.184		
378185	51110-0851 	16 .44	.276	.224		
378193	51110-1051	18 .57	.505	.344		
378206	51110-0851	20 .63	.55	.376		
378214	51110-0851 🗷	22 .68	.61	.408		
378222	51110-0851	24 .74	.66	.44		
378231	51110-0851	26 .75	.71	.522		
378249	51110-0851	28 .77	.466	.376		
378257	51110-0851₹	30 .90	.529	.352		



.079" (2.00mm) Pitch Micro **SPOX™** Headers

- · Wire to Board
- · Single row
- Current: 1A
- · UL94V-0 Rated
- · Voltage rating: 125V
- Contact resistance: $20m\Omega$ max.
- Insulation resistance: 1000M $\!\Omega$ min.
- Withstanding voltage: 500VAC/1 min.
- Housing: PA Polyamide (nylon) 6/6 Contact: brass, tin plated, copper underplating

Vertical with Friction Lock

Part No.	Product No.	Positions	1	10	100
520786	10-32-1023♠	2	\$.33	\$.297	\$.271
520858	10-32-1033♠	3	36	.345	.328
520866	10-32-1043♠	4	43	.405	.385
520882	10-32-1063♠	6	56	.534	.508
520891	10-32-1073♠	7	62	.59	.56



.079" (2.00mm) Pitch Milli-Grid™ Crimp Terminal

For 51110 Series Value Equivalence

- Female crimp pin
- · Lead free
- 24-30AWG
- · Contact material: phosphor bronze
- Plating contact: 0.38µm (15µ") gold
- Under plating: nickel

Part No.	Product No.	1	10	100	500
668465	50394-8100≉	\$.20	\$.103	\$.095	\$.086



.093" Power Connector Kits

These assortment kits contain mating sets of housings and pins.

- · Voltage: 250VAC
- Temperature range: -40°C to +105°C
- 142181: 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A

142201: • 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts • Current: 9A

Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire





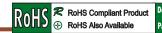
Part No.	Product No.	Description	n 1	10	50
142181	1545⊕	2-pin kit	\$4.95	\$4.49	\$3.95
142201	1490⊕	4-pin kit .	5.69	5.15	4.65

Jameco's Got the Docs

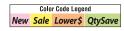
We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges, Sorry, we're unable to ship COD

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.









.062" (1.57mm) & .093" (2.36mm) Contacts

- · Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- · Prepackaged: please order in increments of 10

Crimp-Type Contacts



062"	1	.57	mm	

Part No.	Product No. Gende	r AWG	10	100	1000	
224565	02-06-2103 ≉ M	18-24	\$.18	\$.057	\$.038	
224581	02-06-2132 ≈ M	24-30	18	.057	.038	
224557	02-06-1103 ≉ F	18-24	18	.057	.038	
224573	02-06-1132 ₹ F	24-30	18	.057	.038	
00011 /0	20011 (0.01					

.093" (2.36mm)

Part No.	Product No. Gender	AWG	10	100	1000
224207	02-09-2118 ₹ M	18-22	\$.19	\$.06	\$.04
224223	02-09-2103 ≉ M	14-20	18	.059	.04
224215	02-09-1119 ≉ F	18-22	20	.07	.04
224231	02-09-1104 ₹ F	14-20	18	.059	.042





.093" (2.36mm)

Part No.	Product No.	Gender	10	100	1000
224240	02-09-2133	Male	\$.09	\$.081	\$.073
224258	02-09-1134	Female	20	.14	.09

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Molex093

Connector Extraction Tools



Oomico	OUTILICATION OUTILITY		Connect	illicotor 3		
Part No.	Product No.	AWG	1	10		
142156	W-HT-2285⊕	18-30	\$14.49	\$13.49		
227467	W-HT-2023 ⊕	18-30	11.99	10.99		
142236	W-HT-2038⊕	14-30	14.49	13.49		
227395	W-HT-2054 ⊕	14-30	11.99	10.99		
236128	W-HT-1884⊕	22-30	9.99	8.99		
234940	11-03-0022⊕	22-30	14.99	12.99		

Hand Crimp Tools

These tools are designed to crimp terminals, strip and cut wires, and cut bolts. For Molex crimp pin terminals with .062" & .093" diameters and KK® series on page 129.





308030: Cuts & strips 14-24 AWG wires

22/491: Cuts & Strips 18-30 AVVG WITES								
Part No.	Product No.	Length	Color	1	5			
308030	W-HT-1919⊕	8.3"L	Red	\$14.99	\$13.99			
227491	W-HT-1921 €	8 3"I	Yellow	14.99	13.99			

.062" (1.57mm) Power Connectors

- Passive friction lock Housing: nylon; UL94V-2
- Current: 5.0A Voltage: 250V
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40°C to +105°C

Plugs Quantity SAVE



Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224485	03-06-2023	* 2	\$.30	\$.18	\$.15
224493	03-06-2032	* 3	31	.19	.16
224506	03-06-2042	* 4	24	.223	.206
224514	03-06-2044	** 4	39	.27	.24
224522	03-06-2061	** 6	45	.28	.25
224549	03-06-2122	** 12	52	.30	.25
*In-line	**Grid	* Pr	enackag	ed: pleas	se order

With Mounting Ears in increments of 10 Product No 10 Circuits

i ditito.	i i oddot i i o.	Olicuita		10	100
229948	03-06-2024	* 2	. \$.37	\$.308	\$.223
229964	03-06-2033	* 3	*	.142	.107
230041	03-06-2062	** 6	47	.26	.24
230084	03-06-2121	** 12	28	.238	.179

Quantity SAVE

Receptacles

*In-line



Lower \$\$\$

230092

131887

Œ

Without Mounting Ears

224442

**Grid

Part No.	Product No.	Circuits	1	10	100
224400	03-06-1023	* 2	. \$.33	\$.198	\$.149
224418	03-06-1032	* 3	31	.19	.16
224426	03-06-1042	* 4	36	.28	.266
224434	03-06-1044	** 4	39	.27	.24
224442	03-06-1062	** 6	45	.28	.25
224451	03-06-1092	** 9	20	.175	.167
224469	03-06-1122	** 12	52	.30	.25

III-IIIIe	GHU	* Pr	epackag	ed: pleas	se order
With Mo	unting Ears			incremer	
Part No.	Product No.	Circuits	1	10	100
229956	03-06-1022	* 2	\$.31	\$.16	\$.14
229972	03-06-1038	* 3	*	.15	.112
230050	03-06-1061	** 6	47	.26	.23
230092	03-06-1121	** 12 \$	49 36	306	(23)

^{*}In-line **Grid

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Molex062

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See above and pg 139 for crimp pins

131887: Male tool for 42730 131879: Female tool for 42650

Part No.	Product No.	1	10
131887	HT319C⊕	\$11.55	\$10.35
131879	HT319B⊕		9.03

.093" (2.36mm) Power Connectors

- · Passive friction lock Housing: nylon; UL94V-2
- · Voltage: 250V • Current: 12A per circuit
- Dielectric withstanding voltage: 1500VAC_{RMS}
- · Contact retention to housing: 20 lbs. minimum
- Temp. range: -40°C to +105°C

224071





230181

Without	Mounting	Ears

Part No.	Product No.	Ci	rcuits	1	10	100
224071	03-09-2022	*	2	. \$.30	\$.25	\$.18
224080	03-09-2032	*	3	41	.32	.21
224098	03-09-2042	*	4	45	.22	.20
229825	03-09-2049	**	4	46	.368	.351
224101	03-09-2062	**	6	49	.39	.29
224119	03-09-2092	**	9	22	.217	.163
224127	03-09-2121	**	12 \$	6 ⁹ .35	.298	.224
462432	03-09-2151*	*	15	65	.59	.485
462441	03-09-2158 ◆ *	*	15	64	.58	.54

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230105	03-09-2021	* 2	\$.25	\$.20	\$.15
230148	03-09-2041	* 4	42	.22	.20
230181	03-09-2061	** 6	35	.33	.25
462459	03-09-2159♠	** 15	80	.72	.62

^{*}In-line **Grid

Receptacles







230199

.249

229817	230130
Without Mounting Ears	

Part No.	Product No.	Circuits	1	10	100
224143	03-09-1022	* 2	. \$.30	\$.25	\$.18
224151	03-09-1032	* 3	44	.25	.16
224160	03-09-1042	* 4	46	.25	.22
229817	03-09-1049	** 4	46	.33	.248
224178	03-09-1064	** 6	25	.228	.206
224186	03-09-1094	** 9	69	.59	.39
224194	03-09-1126	** 12	65	.61	.457

*In-line	**Grid	Ou	antity S	ME	Lower	ccc
With Me	ounting Ears	Qu	unity 2	DAVE	LOWE	444
Part No.	Product No.	С	ircuits	1	10	10
230113	03-09-1027	₹*	2	\$.35	\$.17	\$.15
230130	03-09-1081	₹ *	3\$.48.28	.217	.16
230156	03-09-1041	₹*	4	27	.243	.18

230199

This product ships from a separate warehouse and may not ship. the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

03-09-1061 ** 6

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Molex093

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.







.084" (2.13mm) Pin and Socket Connectors

.084" Molex 42002/42021/42022 Series Value Equivalents

- Intermateable, interchangeable, and intermountable with industry-standard versions Fully isolated contacts
- · Positive locks
- · Circuit ID grooves to reduce assembly errors
- Material: Nylon 94V-2, white
- Insulation resistance: $1000M\Omega$
- Dielectric withstanding voltage: 2900V (header); 5000V (wire to wire)



- Anti-stress positioning tabs to reduce breakage
 Operating temp: -55°C to +105°C
- Contact resistance: $3.5m\Omega$ max.
 - Plating: tin
 Voltage: 600V



(Fig. 1)





(Fig. 2)



379461 (Fig. 3)

Plugs (Fig. 1) Molex 42021 Series Value Equivalents

Mates w/ Series 42022 receptacles & 42002 headers

	Cross	Grid	A/Circu	it		
Part No.	Ref. No.	Layout*	Max	1	10	100
379241	50-84-102	0 ≈ 1x2	13.5	\$.20	\$.142	\$.107
379250	50-84-103	0 ≈ 1x3	13.5	.21	.158(.119
379268	50-84-104	0 ≈ 1x4	13.5	.25	.19	.16
379276	50-84-106	0 ≈ 2x3	11	27	.205 (.154
379284	50-84-109	0 ≈ 3 x 3	11	28	.221 (.166
379292	50-84-112	0 ≈ 3 x 4	11	34	.261	.196
379305	50-84-112	0 ≈ 3x5	11	37	.285 (.214
* Crid lavo	ut la rausa v	aalumana				

Grid layout is rows x columns

Receptacles (Fig. 2) Molex 42022 Series Value Equivalents

· Mates with series 42021 plugs

	CIUSS	GHU F	4/Circui	IL		
Part No.	Ref. No.	Layout*	Max	1	10	100
379313	50-84-2020	2 1 x 2	13.5	\$.20	\$.142 (\$.106
379321	50-84-2030	O ₹ 1x3	13.5	.21	.158	.119
379330	50-84-2040	O ≉ 1x4	13.5	.25	.19	.16
379348	50-84-2060	O ≈ 2x3	11	27	.205	.154
379356	50-84-2090	O ≈ 3 x 3	11	28	.221	.166
379364	50-84-2120	O ₹ 3 x 4	11	34	.261	.196
379372	50-84-2150	O ≈ 3x5	11	37	.285	.214
* 0						

* Grid layout is rows x columns

Vertical Male Headers (Fig. 3) Molex 42002 Series Value Equivalents

· Mates w/ Series 42022 receptacles & 42002 headers

	Cross		A/Circuit			
Part No.	Ref. No.	Layout*	Max	1	10	100
379381	10-84-4020	₹1x2	13.5	\$.45	\$.332	\$.249
379401	10-84-4030	₹1x3	13.5.\$.5	⁸ .51	.434	.326
379428	10-84-4040	₹1x4	13.5	60	.45	.337
379444	10-84-4060	₹ 2 x 3	11	62	.60	.45
379461	10-84-4090	₹ 3 x 3	11	64	.48	.36
379487	10-84-4120	₹ 3 x 4	11	71	.52	.47
379508	10-84-4150	₹ 3 x 5	11	1.05	.77	.57
* Grid lav	nut is rows v.c	olumns				

Jameco's Got the Docs



We offer free technical documents for more of the products we carry. Find them easily on the product specification pages at www.Jameco.com

Vertical Female Headers (Fig. 3) Molex 42002 Series Value Equivalents

Mates w/ Series 42022 receptacles & 42002 headers

	Cross	Grid	A/Circu	it		
Part No.	Ref. No.	Layout*	Max	1	10	100
379399	10-84-4022	2 1x2	13.5	\$.24	\$.19	\$.143
379410	10-84-4032	2 1 x 3	13.5	.25	.213	.16
379436	10-84-4042	2 1x4	13.5	.41	.32	.24
379452	10-84-4062	2 2 x 3	11	.62	.47	.35
379479	10-84-4092	2 3 x 3	11	.55	.51	.382
379495	10-84-4122	2 3 x 4	11	80	.67	.50
379516	10-84-4152	₹3x5	11	99	.73	.55
* 0 1 1 1						

* Grid layout is rows x columns

Contacts

Type*: 1: Female

2: Male

- A: Brass
- B: Phosphor bronze C: Brass standard insertion
- D: Brass low insertion

Minimum order 10 pieces

Part No.	Cross Ref. No.	AWG	Type* 10	100 500
401331	71T-D524-LP ₹	12-14	1B \$.07	\$.06 \$.045
379524	71T-5224-LP ₹	16-20	1A 07 5	.064 .048
379532	71T-5524-LP 2	16-20	1B 07	.067 .064
401306	71T-S224-LP ₹	18-22	1A 075	.062 .047
401322	71T-S524-LP ₹	18-22	1B .07	.067 .05
401357	70T-D214-LP ₹	12-14	2A 087	.071 .05
401373	70T-D2L4-LP ≈ 1	12-14	2D 073	.066 .05
379541	70T-5214-LP ₹	16-20	2C 073	.066 .05
398784	70T-52L4-LP ≈ †	16-20	2C 073	.066 .05
401349	70T-S214-LP ₹	18-22	2A 073	.066 .05

mole

MLX Series .084" (2.13mm) **Power Connectors**

522280

 Intermateable. intermountable, and interchangeable with industry standard versions



· PCB vertical header

· Fully isolated contacts

Voltage rating: 600V

- Contact resistance: $3.5m\Omega$ max.
- Dielectric withstanding voltage: 2900V Insulation resistance: $1000M\Omega$ min.
- · Header contacts: phosphor bronze with tin plating
- Operating temperature: -55°C to +105°C

Socket Housing (Red, polyester, 94V-0 rated)

	Product	Current				
Part No.	Number	Rating (A)	Pos.	Matrix	1	10
522327	10-84-402	23♠ 13.5	2	1 x 2	\$.22	\$.209
522335	10-84-40	43♠ 13.5	4	1 x 4	35	.338
522343	10-84-40	53♠ 11.0	6	2 x 3	54	.516
522351	10-84-40	93 ♠ 11.0	9	3 x 3	79	.75

Socket Housing (White, nylon 6/6, 94V-2 rated)

Part No.	Product Number	Current Rating (A)	Pos.	Matrix	1	10
522431	10-84-40	42♠ 13.5	4	1 x 4 .	\$.33	\$.314
522271	10-84-40	52♠ 11.0	6	2 x 3 .	50	.475
522280	10-84-40	92♠ 11.0	9	3 x 3 .	68	.63
522255	10-84-412	22♠ 11.0	12	3 x 4 .	93	.89
522263	10-84-41	52♠ 11.0	15	3 x 5 .	1.20	1.11

Socket Housing (Red, 94V-0 rated)

Part No.	Product Number	Current Rating (A)	Pos.	Matrix	1	10
522298	10-84-412	27 ♠ 11.0 *	12	3 x 4	\$2.29	\$2.17

^{*} Pins: 30m" select gold

Socket Housing (White, polyester, 94V-0 rated)

Part No.	Number	Rating (A)	Pos.	Matrix	1	10
522386	10-84-50	21♠ 13.5	2	1 x 2	\$.24	\$.221
522394	10-84-50	31♠ 13.5	3	1 x 3	65	.62
522407	10-84-50	41 ♠ 13.5	4	1 x 4	79	.75
522415	10-84-50	61♠ 11.0	6	2 x 3	75	.70
522423	10-84-50	91 ♠ 11.0	9	3 x 3	75	.71
522360	10-84-512	21 ♠ 11.0	12	3 x 4	1.35	1.30
522378	10-84-51	51♠ 11.0	15	3 x 5	1.29	1.24

[♠] This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

Greasing the Pins

Have you ever looked at the damage an electrical arc leaves on a piece of metal? I'm sure vou're well-aware that the damaged area has a higher resistance than any of the contact surface around it. And if you have ever touched the affected area, you know some of the damaged area is raised relative to the unscarred metal.

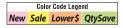
If your project requires live circuit connects or disconnects, you might be slowly damaging your device and its reliability. The more voltage and current, the more chance an arc is occurring. With more arcs, the connecting

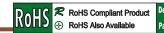
metal sustains greater damage, which increases resistance and reduces the uniformity of the contact surfaces.

To prevent these failures, I have implemented tri-state circuits that are switched to high-Z before the connector is engaged or disengaged. But if that isn't possible in your design, consider using an arc-inhibiting compound on your pins. Either way, your connector will be more reliable and last longer!

> Practical Practices Money Saving Tips for the Engineer

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1. RoHS compliant product







.100" (2.54mm) Male Solid Headers (Gold)

· Solder to PC boards for instant plug-in access via shorting blocks, right

153728

\$.25

1000

.26

.352

.43

100 1000

\$.30

53575

100

.30 .24

.35

.48 .39

.42 (.315)

.47

.54 (.41)

.53 .47

.51 .36

.54 .405

.57

.89 .75

1.09

152671 (closed)

100

\$.09

.099

.09

.09

.09

.18

1000

.096

.067

.06

.06

.06

.12

\$.06

\$.27 (\$.20)

.64 .58

10

.44

.53

.53

.58

.59

.62

.68 .60 .44

.68

75 .57 .50

1.19

· Insulator: UL94V-0 polyester

Cross

Ref. No

Ref. No

RMH08⊕

RMH36₹

Part No

153728

103271

Part No

203908

203916

203924

203932

203941

203959

203967

203975

53575

53584

204020

204046

53605

53612

103413

139563

22023 (open)

Closed: closed top

Part No.

22023

119264

112425

112416

19141

112442

112432

152671

· Contact material: phosphor bronze

.025" square posts on a .100" x .100" matrix

Use with crimp connector housing, pg 141

*Prepackaged: please order in increments of 10

.100" Right Angle Single Row Male Headers

.... \$.45

.100" Right Angle Double Row Male Headers

Contacts

923804DR⊕ 4 \$.38 \$.34

923808DR⊕ 849

923810DR⊕ 1059

923812DR⊕ 1259

923814DR⊕ 1465

923816DR⊕ 1665

923818DR⊕ 18**75**

923820DR⊕ 2065

923826DR**≈** 2669

923836DR⊕ 36**.75**

923840DR**≉** 40**85**

923850DR⊕ 5085

923872DR⊕ 72 1.15

923880DR⊕ 80 1.35

.100" & 2mm

Shorting Blocks

112432 (closed)

strip line plugs • Mate with male headers, above

· Mates to .025" square posts on .100" centers

· Shorts headers/jumper blocks or color codes

Open: open on top to allow for a test point

· Prepackaged: please order in increments of 10

Top open, black (.100") ⊕ \$.12

Top open, black (2mm) ₹ ...15

Top open, red (.100") ⊕12

Top closed, black (.100") ₹12

Top closed, blue (.100") **₹**12

Top closed, red (.100") ⊕20

Top closed, black (.100") ₹19

.100" Non-Polarized

Connector Housings

see page 141

Top open, blue (.100") ₹133

· Pin material: phosphor bronze

119264: 2mm (for disk drives)

 Snap apart to fit your application Temperature range: -55°C to +120°C

· Contact area: gold

Part No.

108337

109576

117560

153700

153702

103392

103377

103369

202825

103351

103342

68339

160882

67820

Part No

115027

115035

109516

67820

203810

118456

109567

203828

53480

203836

203844

203852

203879

203861

53517

203888

203895

53560

68574

103405

117197

53495

53532

Current rating: 1 amp

Blue Part No. = Limited Quantity Available

Cross

Ref. No.

SMH02⊕

SMH032

SMH04₽

SMH06₹

SMH08**2**

SMH10⊕

SMH172

SMH20₹

SMH22⊕

SMH25₹

SMH30₹

SMH36⊕

SMH40₹

Cross

Ref No.

923804DS ⊕

923806DS ⊕

923808DS(()

923810DS ()

923812DS⊕

923814DS**₹**

923818DS⊕

923820DS

923822DS⊕

923824DS ()

923828DS ⊕

923830DS ⊕

923832DS **⊕**

923834DS

923836DS

923850DS**₹**

923860DS ⊕

923872DS ⊕

923880DS

923826DS

923840DS ⊕ 40

923838DS

923816DS**⊕o** 16

.100" Straight Single Row Male Headers

109576

2 *

8 22

10 **.20**

17 *

2028

2230

25**28**

30 **.35**

3642

.10

.100" Straight Double Row Male Headers

Contacts

620

820

1020

1260

1445

18 **.65**

2059

2270

2470

2875

3680

38 **.89**

5060

60 **.70**

7285

8090

26 **\$.32**

.. .59

MEW

Other Manufacturers — Great Deals

3075

3275

3475

.... .55



103377

100 1000

.135 .15

.135

\$.14 \$.13

.15 .135

.15

.17 .15

.14 .13

.23 .21

.22 .165

.21 .16

.28 .25

.34 .29

.40 .36

109567

\$.07

.43

.49

(39)

.54

.59

\$.23 \$.173

.42 (.31)

10

\$.16

.17

.17

.20

.16

.25

.275

.25

.38

10 100 1000

.18 .16

18 16 14

.18 .16 .14

.55 .49 .44

.40 .36 .33

.49 .45 .39

.59 .55 .47

.55

.65

.65 .59 .49

69 .55

.68 .54 .405

.69 .55 .49

.69

.72 .58 .43

.80

.55 .49 .45

63 .504 .378

.75 .69

.48

59

.61 .55

.72

.75

\$.10 \$.09

.100" (2.54mm) Pitch Crimp **Terminal Housing**

· Current rating: 3A DC

Voltage rating: 250VAC

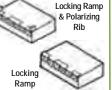
Contact resistance: $20m\Omega$ initial

Insulation resistance: $1,000M\Omega$ min.

Withstanding voltage: 1,000VAC/minute

Housing: nylon 6/6, UL94V-0

Operating temp.: -40°C to +105°C



With Locking Ramp and Polarizing Rib

Part No.	Cross Ref. No.	Pos. 1	10	25
675850	22-01-3027	2 \$.20	\$.137	\$.111
675868	22-01-3037	3	.182	.163
675876	22-01-3047	420	.111	.105
675884	22-01-3057	5 .30	.269	.255
675892	22-01-3067	6 .35	.308	.293
675905	22-01-3077	7	.292	.269
675913	22-01-3087	8 .46	.403	.383
675921	22-01-3097	945	.425	.397
675930	22-01-3107	10 .42	.395	.369
675948	22-01-3117	1159	.528	.513
675956	22-01-3127	12 .50	.463	.431

With Locking Ramp

Part No.	Cross Ref. No.	Pos.	1	10	25
676174	22-01-2027	2	\$.20	\$.117	\$.093
676182	22-01-2037	3	20	.174	.143
676191	22-01-2047	4	24	.205	.186
676203	22-01-2057	5	28	.185	.176
676211	22-01-2067	6	20	.15	.14
676220	22-01-2077	7	36	.32	.30
676238	22-01-2087	8	21	.20	.19
676246	22-01-2097	9	44	.392	.37
676254	22-01-2107	10	48	.427	.405
676262	22-01-2117🇷	11	53	.472	.45
676271	22-01-2127	12	56	.498	.473

Crimp Terminals

- · Current rating: 4A
- Voltage rating: 250VAC
- Contact resistance: $20m\Omega$ initial
- Insulation resistance: $50,000M\Omega$ min. Withstanding voltage: 1,500VAC/minute
- Contact material: phosphor bronze
- · Wire accommodation: 22-30 AWG
- Insulation range: 1.58mm (0.062") diameter max.

Part No.	Cross Ref. No.	Plating	1	10	25
676852	08-52-0123 	Tin	\$.20	\$.048	\$.044
676895	08-65-0816	Gold	20	.111	.109

Polarizing Key

390088-2

2-382811-12 A Blk

 Plastic 	• P	olyester, UL94	V-0, Nat	ural
Part No.	Cross Ref. No.	1	10	25
676908	15-04-9209	\$.20	\$.047	\$.044

Color Plating

2-Position Low Profile

94V-0 rated housing

0.100" centerlines

One-piece contact construction

High normal forces

Contacts: phosphor bronze

382811-9**₹**♠ Red 15µ" gold**25** .**129** 944001 • This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges.

Email us 24/7 at NewProducts@Jameco.com with suggestions

AMPMODU™ Shunts

836908

421454

for products you'd like to see in future catalogs.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product



For more AMP Shunts

visit www.Jameco.com

5μ" gold20

15μ" gold **\$.20 \$.18 \$.16**





2 **\$.20**

3**.20**

420

5**.24**

6**.28**

1045

8

JAMECO ValuePro

Part No.

685708

685716

685724

685732

685741

685759

685767

685775

685783

685791

685804

.100" (2.54mm) Male Breakaway Headers · Voltage rating: 250VDC

Current rating: 3A

10

\$.066

.119

.166

.225

.261

287

308

.331

.413

.482

- Insulation resistance: 1,000M Ω min.
- Contact resistance: 20mΩ initial max.
- · Withstanding voltage: 500VAC/1 minute

Cross Ref. No. Pos.

22-28-4022 🗷

22-28-4032 🕿

22-28-4042 🗷

22-28-4052 🗶

22-28-4062 🕿

22-28-4072 🗶

22-28-4082 🕿

22-28-4092 🕿

22-28-4102 🗶

22-28-4112 **?** 1150

22-28-4122 🗷 1255

Housing: glass filled polyester, black (UL94V-0)

Contact: 0.64mm (0.025") square

Tin Straight Single Row

(A) .286"; (B) .100"; (C) .118









Right Angle

Tin Right Angle Single Row

ini riigii riiigio onigio non							
	• (A) .30	9"; (B) .100"; (C)	.118"				
25	Part No.	Cross Ref. No.	Pos. 1	10	25		
\$.063	685960	22-28-6020 🗷	2 \$.20	\$.143	\$.135		
.113	685978	22-28-6030 🕿	3 .22	.207	.196		
.158	685986	22-28-6040 🗷	435	.338	.325		
.214	685994	22-28-6050 🗷	5 .38	.37	.354		
.249	686006	22-28-6060 🕿	6	.453	.434		
.271	686014	22-28-6070 🗷	754	.474	.461		
.298	686022	22-28-6080 🗷	8 .66	.64	.61		
.323	686031	22-28-6090 🕿	9 .50	.487	.466		
.397	686049	22-28-6100 🕿	10 .53	.49	.47		
.461	686057	22-28-6110 🗷	1155	.535	.512		
.49	686065	22-28-6120 🕿	12 57	.521	.51		

Tin Straight Single Row

(A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos. 1	10	25
686188	22-28-4020 🗷	2 \$.21	\$.182	\$.173
686196	22-28-4030 🗷	3 .20	.174	.165
686209	22-28-4040 🗷	427	.245	.233
686217	22-28-4050 🗷	5 .31	.284	.27
686225	22-28-4060 🕿	6 33	.284	.27
686233	22-28-4070 🕿	7	.30	.285
686241	22-28-4080 🗷	8 .37	.332	.315
686250	22-28-4090 🗷	943	.371	.352
686268	22-28-4100 🕿	1044	.379	.36
686276	22-28-4360 🗷	36 .90	.78	.74

Tin Right Angle Single Row

(A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1 10	25
686401	22-28-8020 🗷	2 \$.2 :	3 \$.198	\$.188
686410	22-28-8030 🗷	3 .2 0	.182	.173
686428	22-28-8040 🗷	43	1 .277	.263
686436	22-28-8050 🗷	5 .3 4	4 .30	.285
686444	22-28-8060 🗷	634	4 .30	.285
686452	22-28-8070 🗷	742	2 .379	.36
686461	22-28-8080 🗷	842	2 .379	.36
686479	22-28-8090 🗷	94!	.348	.33
686487	22-28-8100 🗷	10 3 8	.356	.338
686495	22-28-8360 🗷	36 1.2 9	9 1.02	.97

Gold Straight Single Row

(A) 206" (D) 100" (C) 110"

• (A) .286"; (B) .100"; (C) .118"							
Part No.	Cross Ref. No.	Pos.	1	10	25		
685839	22-28-4025 🎗	2	. \$.41	\$.371	\$.353		
685847	22-28-4035 🗷	3	38	.362	.344		
685855	22-28-4045 🗷	4	73	.61	.58		
685863	22-28-4055 🗷	5	80	.78	.74		
685871	22-28-4065 🗷	6	. 1.08	.96	.91		
685880	22-28-4075 🗷	7	. 1.19	1.13	1.09		
685898	22-28-4085 🗷	8	. 1.36	1.21	1.16		
685901	22-28-4095 🗷	9	. 1.55	1.35	1.32		
685919	22-28-4105 🕿	10	. 1.69	1.50	1.47		
685927	22-28-4115 🕿	11	. 1.89	1.65	1.57		
685935	22-28-4125 🕿	12	. 1.99	1.78	1.75		

Gold Right Angle Single Row

• (A) .309"; (B) .100"; (C) .118"							
Part No.	Cross Ref. No.	Pos. 1	10	25			
686073	22-28-6022 🗷	2 \$.31	\$.297	\$.285			
686081	22-28-6032 🗷	351	.435	.413			
686090	22-28-6042 🗷	4	.49	.466			
686102	22-28-6052 🗷	5 .82	.73	.70			
686111	22-28-6062 🗷	6	.72	.69			
686129	22-28-6072 🗷	783	.81	.79			
686137	22-28-6082 🗷	8 .99	.91	.90			
686145	22-28-6092 🗷	9 1.07	1.00	.92			
686153	22-28-6102 🗷	10 1.09	1.01	.95			
686161	22-28-6112 🗷	11 1.12	1.02	.97			
686170	22-28-6122 🗷	12 1.27	1.03	1.00			

687439

687447

687455

.100" (2.54mm) Pitch **PCB Connectors**

- Tin plated soldertail terminals
- Accepts 0.025" square posts
- Voltage rating: 250VAC
- Current rating: 3A
- Contact resistance: $40m\Omega$ max. · Contact material: brass
- Insulation resistance: 1,000MΩ min.
- · Insulation material: nylon 6/6, UL94V-2
- Withstanding voltage: 1 000VAC/1 minute



98

1.07

.90

98

1,00001		200		
Recepta	Top E	ntry		
Part No.	Cross Ref. No.	Pos.	1 10	25
687359	22-14-2024 🗷	2 \$.2 7	7 \$.237	\$.225
687367	22-14-2034 🗷	3 .2 7	7 .25	.23
687375	22-14-2044 🗷	4	.411	.406
687383	22-14-2054 🗷	5 .5 6	.498	.485
687391	22-14-2064 🗷	6 .6 0	5 .58	.55
687404	22-14-2074 🗷	7 .7 !	.67	.65
687412	22-14-2084 🗷	877	7 .71	.66
687421	22-14-2094 🗷	973	.68	.63

22-14-2104 **?** 1092

22-12-2114 **?** 11 1.05

22-12-2124 **?** 12 **1.15**

Receptacle, Top Entry with Hooks

Part No.	Cross Ref. No.	Pos.	1	10	25
688431	22-02-2025 🗷	2	. \$.20	\$.168	\$.16
688440	22-02-2035 🗷	3	28	.25	.23
688458	22-02-2045 🕿	4	37	.344	.319
688466	22-02-2055 🗷	5	36	.331	.306
688474	22-02-2065 🗷	6	58	.48	.45
688482	22-02-2075 🗷	7	67	.60	.58
688491	22-02-2085 🗷	8	74	.67	.63
688503	22-02-2095 🗷	9	65	.60	.57
688511	22-02-2105 🗷	10	78	.73	.67
688520	22-02-2115 🗷	11	. 1.02	.86	.84
688538	22-02-2125 🗷	12	. 1.11	.95	.93

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Gold Straight Single Row

(A) .348"; (B) .100"; (C) .118"

Part No.	Cross Ref. No.	Pos.	1	10	25
686292	22-28-4023 🗷	2	. \$.20	\$.182	\$.173
686305	22-28-4033 🗷	3	27	.245	.233
686313	22-28-4043 🕿	4	28	.253	.24
686321	22-28-4053 🗷	5	29	.261	.248
686330	22-28-4063 🗷	6	29	.261	.248
686348	22-28-4073 🗷	7	29	.261	.248
686356	22-28-4083 🗷	8	30	.269	.256
686364	22-28-4093 🗷	9	37	.34	.323
686372	22-28-4103 🕿	10	37	.34	.323
686381	22-28-4363 🕿	36	. 1.31	1.03	.98

We will be adding hundreds of new connectors in the coming months. Check www.Jameco.com frequently for all the newest additions.

JAMECO ValuePro

688061

.100" (2.54mm) Pitch Solid Headers

· Voltage rating: 250VAC · Current rating: 3A

Contact material: brass, tin plated 0.025" square posts

 Insulation resistance: 1,000MΩ min. • Withstanding voltage: 1,000VAC/1minute

Straight with Friction Lock







Part No.	Cross Ref. No.	Pos.	1	10	25
687957	22-23-2021 🗷	2	\$.20	\$.142	\$.135
687965	22-23-2031 🗷	3	21	.198	.19
687973	22-23-2041 🗷	4	26	.252	.241
687981	22-23-2051 🗷	5	31	.30	.287
687990	22-23-2061 🗷	6	36	.344	.329
688001	22-23-2071 🗷	7	31	.302	.289
688028	22-23-2081 🗷	8	48	.468	.447
688036	22-23-2091 🗷	9	53	.51	.488
688044	22-23-2101 🗷	10	57	.55	.53
688052	22-23-2111 🗷	11	60	.58	.56

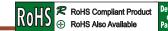
Right Angle with Friction Lock

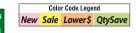
	Part No.	Cross Ref. No.	Pos. 1	10	25
	688212	22-05-3021 🗷	2 \$.33	\$.323	\$.307
	688221	22-05-3031 🗷	3 .28	.27	.258
	688239	22-05-3041 🗷	436	.35	.333
	688247	22-05-3051 🗷	5 .35	.33	.314
1	688255	22-05-3061 🗷	6 51	.487	.467
1	688263	22-05-3071 🗷	7 .61	.59	.58
	688271	22-05-3081 🗷	8 65	.63	.61
	688280	22-05-3091 🕿	971	.67	.65
	688298	22-05-3101 🗷	10 .76	.71	.69
	688301	22-05-3111 🗷	1165	.63	.60
	688319	22-05-3121 🕿	12 59	56	504

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.481

22-23-2121 🗷 1250

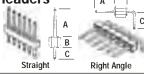




.100" (2.54mm) Male Breakaway Headers

Lower \$\$\$

- Insulation resistance: 1,000M Ω min. · Voltage rating: 250VDC · Current rating: 3A
- Contact resistance: $20m\Omega$ initial max. Withstanding voltage: 500VAC/1 minute
- · Housing: glass filled polyester, black (UL94V-0)
- Contact: 0.64mm (0.025") square



2556 Series Tin Straight Single Row

•	(A)	0.240";	(B)	0	.100";	(C)	0.125"
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Part No.	Cross Ref. No.	Pos. 1	10	25
677038	2556P02TL62	2 \$.20	\$.066	\$.063
677046	2556P03TL62	320	.119	.113
677054	2556P04TL62	4	.166	.158
677062	2556P05TL62	₹ 5 .24	.225	.214
677071	2556P06TL62	6	.261	.249
677089	2556P07TL62	729	.279	.267
677097	2556P08TL62	8	.308	.298
677100	2556P09TL62	935	.321	.317
677118	2556P10TL62	₹ 10 37	.348	.339
677126	2556P11TL62	1139	.367	.359
677134	2556P12TL62	? 12 41	.397	.377
255/ 00	wise Tim Chusis	what Cimeria I	2011	

2556 Series Tin Straight Single Row

• (A) 0.925"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
678971	2556P02TL58	2	\$.21	\$.182	\$.173
678989	2556P03TL58	3	20	.174	.165
678997	2556P04TL58	4	27	.245	.233
679009	2556P05TL58	5	31	.284	.27
679017	2556P06TL58	6	33	.284	.27
679025	2556P07TL58	? 7	33	.30	.285
679033	2556P08TL58	8	37	.332	.315
679041	2556P09TL58	9	43	.371	.352
679050	2556P10TL58	10	44	.379	.36
679068	2556P36TL58	36	90	.78	.74

2556 Series Gold Straight Single Row

(A) 0.286"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
677142	2556P02WB00	2 .	\$.41	\$.371	\$.353
677151	2556P03WB00 ₹	3.	38	.362	.344
677169	2556P04WB00	4.	73	.61	.58
677177	2556P05WB00	5.	80	.78	.74
677185	2556P06WB00 ≭	6.	1.08	.96	.91
677193	2556P07WB00	7.	1.19	1.09	.99
677206	2556P08WB00	8.	1.36	1.21	1.16
677214	2556P09WB00 ₹	9.	1.55	1.35	1.32
677222	2556P10WB00	10 .	1.69	1.50	1.47
677231	2556P11WB00	11 .	1.89	1.65	1.57
677249	2556P12WB00	12 .	1.99	1.78	1.75

2556 Series Gold Straight Single Row

(A) 0.240"; (B) 0.100"; (C) 0.125"

Part No.	Cross Ref. No.	Pos.	1	10	25
679084	2556P02JL62	2	\$.20	\$.182	\$.173
679092	2556P03JL62	3	27	.245	.233
679105	2556P04JL62	₹ 4	28	.253	.24
679113	2556P05JL62	5	29	.261	.248
679121	2556P06JL62	6	29	.261	.248
679130	2556P07JL62	7	29	.261	.248
679148	2556P08JL62	8	30	.269	.256
679156	2556P09JL62	9	37	.34	.323
679164	2556P10JL62	10	37	.34	.323
679172	2556P36JL62	36	1.31	1.03	.98

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

2557 Series Tin Right Angle Single Row

(A) 0.309": (B) 0.100": (C) 0.118"

(A) 0.5	07, (D) 0.100,	(0) 0.110		
Part No.	Cross Ref. No.	Pos. 1	10	25
677505	2557P02T000	? 2 \$.20	\$.143	\$.135
677513	2557P03T000	? 3	.207	.196
677521	2557P04T000	₹ 435	.338	.325
677530	2557P05T000	538	.37	.354
677548	2557P06T000	? 6	.453	.434
677556	2557P07T000	₹ 754	.474	.461
677564	2557P08T000	866	.64	.61
677572	2557P09T000	? 9 69	.67	.63
677581	2557P10T000	₹ 10 .75	.72	.69
677599	2557P11T000	₹ 1155	.535	.512
677601	2557P12T000	? 12 57	.521	.51

2557 Series Tin Right Angle Single Row

• (A) 0.244"; (B) 0.100"; (C) 0.120"

(, ,, , ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	., (5) 555 / (0, 0			
Part No.	Cross Ref. No.	Pos.	1	10	25
679199	2567P02TL39	2	\$.23	\$.198	\$.188
679201	2567P03TL39 ≴	3	20	.182	.173
679210	2567P04TL39	4	31	.277	.263
679228	2567P05TL39	5	34	.30	.285
679236	2567P06TL39	6	34	.30	.285
679244	2567P07TL39	7	42	.379	.36
679252	2567P08TL39	8	42	.379	.36
679261	2567P09TL39	9	45	.348	.33
679279	2567P10TL39	10	38	.356	.338
679287	2567P36TL39	36	1.29	1.02	.97

2557 Series Gold Right Angle Single Row

• (A) 0.309"; (B) 0.100"; (C) 0.118"

Part No.	Cross Ref. No. F	Pos. 1	10	25
677628	2557P02U000 ₹	2 \$.31	\$.297	\$.285
677644	2557P03U000 ≉	3 .51	.435	.413
677652	2557P04U000 ≉	451	.49	.466
677871	2557P05U000 ₹	5 .82	.73	.70
677880	2557P06U000 ₹	6 .85	.77	.73
677898	2557P07U000 ≈	7 .95	.89	.83
677901	2557P08U000 ₹	8 .99	.91	.90
677919	2557P09U000 ≉	9 1.07	1.00	.92
677927	2557P10U000 ≉	10 1.24	1.06	1.03
677935	2557P11U000 ₹	11 1.12	1.02	.97
677943	2557P12U000 ₹	12 1.27	1.03	1.00
dead				

.100" (2.54mm) Pitch **PCB Connectors**

- Tin plated solder tail terminal
- Accepts 0.025" square postsVoltage rating: 250VAC
- Current rating: 3A
- Contact resistance: $40m\Omega$ max.
- · Contact material: brass · Insulation resistance:
- $1,000M\Omega$ min.
- · Insulation material: nvlon 6/6, UL94V-2 Withstanding voltage: 1,000VAC/minute



Top Entry

Bottom Entry

Receptacle, Bottom Entry

Part No.	Cross Ref. No.	Pos. 1	10	25
676553	2405S02R000 🗷	2 \$.27	\$.237	\$.215
576561	2405S03R000 🕿	3 .27	.25	.208
576570	2405S04R000 🗷	446	.411	.367
576588	2405S05R000 🗷	5 .56	.498	.438
676596	2405S06R000 🕿	6 .66	.58	.513
676609	2405S07R000 🗷	7 .75	.67	.64
676617	2405S08R000 🗷	877	.71	.59
676625	2405S09R000 🗷	973	.68	.57
676633	2405S10R000 🗷	10 .92	.85	.71
676641	2405S11R000 🗷	11 1.05	.98	.82
676650	2405S12R000 🗷	12 1.15	1.07	.89

Receptacle, Top Entry with Hooks

Part No.	Cross Ref. No.	Pos. 1	10	25
676668	2405S02V000 🗷	2 \$.20	\$.168	\$.16
676676	2405S03V000 🗷	3 .28	.25	.23
676684	2405S04V000 🗷	437	.344	.319
676692	2405S05V000 🕿	5 .36	.331	.306
676705	2405S06V000 🗷	6 .58	.48	.45
676713	2405S07V000 🗷	7 .67	.60	.58
676721	2405S08V000 🕿	874	.67	.63
676730	2405S09V000 🗷	965	.60	.55
676764	2405S10V000 🗷	10 .78	.73	.67
676772	2405S11V000 🕿	11 1.02	.86	.84
676781	2405S12V000 🗷	12 1.11	.95	.93

We will be adding hundreds of new connectors in the coming months. Check www.Jameco.com frequently for all the newest additions.



.100" (2.54mm) Pitch Solid Headers

· Current rating: 3A

Voltage rating: 250VAC

· Contact material: brass, tin plated 0.025" square posts • Insulation resistance: 1,000M Ω min. • Contact resistance: $20m\Omega$ max.

• Withstanding voltage: 1,000VAC/1 minute



Right Angle with Friction Lock



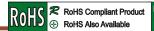
Right Angle

Straight with Friction Lock	
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				9	9			
Part No.	Cross Ref. No. Pos. 1	10	25	Part No.	Cross Ref. No.	Pos. 1	10	25
677257	2571P02V000 ≈ 2 \$.20	\$.142	\$.135	677960	2571P02H000	? 2 \$.33	\$.323	\$.307
677265	2571P03V000 ₹ 321	.198	.19	678006	2571P03H000	₹ 3 28	.27	.258
677273	2571P04V000 ≈ 426	.252	.241	678014	2571P04H000	₹ 436	.35	.333
677281	2571P05V000₹ 531	.30	.287	678022	2571P05H000	₹ 5 35	.33	.314
677290	2571P06V000 ≈ 6 36	.344	.329	678031	2571P06H000	₹ 6	.487	.467
677302	2571P07V000 ₹ 731	.302	.289	678049	2571P07H000	₹ 7	.58	.57
677311	2571P08V000₹ 848	.468	.447	678057	2571P08H000	₹ 8 69	.63	.61
677329	2571P09V000 ≈ 9 53	.51	.488	678065	2571P09H000	₹ 9	.67	.61
677337	2571P10V000 ₹ 10 59	.56	.531	678073	2571P10H000	₹ 10 .76	.71	.69
677345	2571P11V000 ₹ 1160	.58	.56	678081	2571P11H000	₹ 1179	.75	.73
677353	2571P12V000 2 12 .65	.61	.59	678090	2571P12H000	2 12 .83	.79	.75

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.







.100" (2.54mm) Pitch Crimp Terminal Housing

Locking

- · Current rating: 3A DC
- Voltage rating: 250VAC
- · Contact resistance: $20m\Omega$ initial
- · Insulation resistance: $1,000M\Omega$ min.
- · Withstanding voltage: 1,000VAC/minute
- Housing: nylon 6/6, UL94V-0
- Operating temp.: -40°C to +105°C

With Locking Ramp and Polarizing Rib

Part No.	Cross Ref. No.	Pos.	1	10	25
688554	2530S020000 	2	\$.20	\$.137	\$.11
688562	2530S030000 2	3	20	.182	.16
688571	2530S040000 	4	20	.111	.105
688600	2530S050000 	5	31	.269	.255
688618	2530S060000 2	6	35	.308	.293
688626	2530S070000 	7	31	.292	.269
688642	2530S080000 	8	45	.403	.383
688651	2530S090000 	9	42	.389	.364
688669	2530S100000 	10	42	.395	.369
688677	2530S110000 	11	59	.528	.51
688685	2530S120000 	12	52	.483	.452

With Locking Ramp

Part No.	Cross Ref. No.	Pos.	1	10	25
688802	2530S020N00 ₹	2 \$.20	\$.117	\$.093
688811	2530S030N00 ₹	3	.20	.174	.143
688829	2530S040N00 2	4	.24	.205	.186
688837	2530S050N00 ₹	5	.28	.185	.176
688845	2530S060N00 ₹	6	.20	.15	.14
688853	2530S070N00 ₹	7	.36	.32	.30
688861	2530S080N00 ₹	8	.21	.20	.195
688870	2530S090N00 ₹	9	.44	.392	.37
688888	2530S100N00 ₹	10	.49	.427	.406
688896	2530S110N00 ₹	11	.53	.472	.45
688909	2530S120N00 ₹	12	.56	.498	.473

Crimp Terminals

- Voltage rating: 250VAC
 Current rating: 4A
- Contact resistance: 20mΩ initial
- Insulation resistance: 50,000MΩ min.
- Withstanding voltage: 1,500VAC/minute
- · Contact material: phosphor bronze

Part No.	Cross Ref. No.	Plating	1	10	25
689274	2533TPB00A0	? Tin \$	3.20	\$.048	\$.044
689291	2533TPBU0A0 ≭	Gold	.20	.111	.109

Polarizing Key

 Plastic 	 Polyester, UL94V-0, Natural 			
Part No.	Cross Ref. No.	1	10	25
689258	6001-PK0005₹	\$.20	\$.047	\$.044



.100" (2.54mm) KK® **Terminals**

- Voltage: 250V · Current: 4A
- · Contact resistance: 20mA max.
- · Dielectric w/standing voltage: 1500VAC
- Insulation resistance: 50k MΩ min.
- Phosphor bronze
- 22-30 AWG (462969: cat ear)
- · Prepackaged: please order in increments of 10

Part No.	Product No.	Plating	10	100
462969	08-65-0805	Tin (Bag)	\$.10	\$.09
462985	08-65-0814♠	15μ" gold (Bag)	.437	.418
463005		15u" sel. gold (Bag)		.14

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges Sorry, we're unable to ship COD

molex

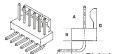
& Polarizing

Rih

KK® Series .100" (2.54mm) Male Headers

- Voltage: 250V
 Current: 4.0A
- Dielectric withstanding voltage: 1500V
 - Insulation resistance: $50,000M\Omega$ min.
- Contact resistance: 20mΩ max. • Housing: nylon, UL94V-0
- Contact: brass, 0 6.4mm (0.25") square
 Durability: tin 25 cycles max.; gold 100 cycles max









Straight Header (Tin)

- Dimensions: (A) .295"; (B) .130"; (C) .135"
- *Prepackaged: please order in increments of 10

Part No.	Product No.	Positions	1	10	100
232186	22-03-2031	3	*	\$.145	\$.109

Straight Friction Lock Headers (Tin)

Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

	. ,	,	. ,		
Part No.	Product No.	Positions	1	10	100
232266	22-23-2021	2	\$.29	\$.23	\$.15
232274	22-23-2031	3	35	.30	.19
232282	22-23-2041	4	42	.36	.23
232291	22-23-2051	5	49	.42	.27
232303	22-23-2061	6	55	.48	.31
232311	22-23-2071	7	63	.55	.36
232320	22-23-2081	8	72	.63	.41
232338	22-23-2091	9	61	.489	.467
232346	22-23-2101	10	80	.70	.46
232354	22-23-2121	12	95	.83	.55

Right Angle Friction Lock Headers (Tin)

Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437	22-05-3021	2	. \$.42	\$.36	\$.22
233445	22-05-3031	3	56	.49	.30
233453	22-05-3041	4	71	.61	.39
233461	22-05-3051	5	77	.65	.49
233470	22-05-3061	6	85	.74	.48
233488	22-05-3071	7	99	.79	.56
233496	22-05-3081	8	. 1.03	.83	.58
233517	22-05-3121	12	. 1.19	.99	.69

Straight Friction Lock Headers (Gold)

Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584	22-11-2022	2	. \$.54	\$.46	\$.29
233592	22-11-2032	3	85	.74	.47
233605	22-11-2042 	4	87	.76	.49
233613	22-11-2052	5	83	.79	.67
233621	22-11-2062	6	. 1.34	1.17	.76
233656	22-11-2102 	10	2.05	1.77	1.16

Right Angle Friction Lock Headers (Gold)

22-12-2044

Housing with Locking Ramp

Product No.

22-01-2027

 Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322" Product No. Positions 233672 22-12-2024

Positions

4 ... \$1.36.90

Quantity SAVE

10

100

\$.09

.12

.15

.17

.20

.26

.31

.43

.11

234931

KK® Series .100" (2.54mm) Female Housing & Crimp Contacts

234801

Lower \$\$\$

- · Voltage: 250V
- · Current: phosphor bronze -4.0A max., brass - 2.5A max.
- Contact resistance: 20mΩ max.
- · Dielectric withstanding volt.: 1500VAC Insulation resistance: 50,000MΩ
- Housing Material:
- · Contact insertion force: 1.5 lbs. max.
- Contact retention to housing: 8 lbs. min. · Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C

234721

Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798	22-01-3027	2	. \$.29	\$.17	\$.10
234801	22-01-3037	3	29	.21	.13
234819	22-01-3047	4	31	.27	.17
234827	22-01-3057	5	36	.31	.20
234835	22-01-3067	6	42	.36	.23
234843	22-01-3077	7	47	.40	.30
234851	22-01-3087	8	54	.47	.30
234878	22-01-3107	10	65	.55	.35
234886	22-01-3127	12	76	.66	.42

234712	22-01-2037	3 .29	.20
234721	22-01-2047	429	.24
234739	22-01-2057	5	.28
234747	22-01-2067	6 36	.32
234755	22-01-2087	847	.41
234771	22-01-2107	10 57	.49
234780	22-01-2127🕿	12 67	.57

Crimp Contacts

· Material: brass

233699

Part No.



• Insulation range: 0.062" (1.58mm) diameter max.

08-55-0102

234923: Brass with tin plating

234931: Brass with 15µ" select gold plating

· Prepackaged: please order in increments of 10 Part No. Product No. 10 100 1000 234923 08-50-0114**2**\$.**065** \$.048 \$.029

To Find Additional KK .100" Products In This Series, Visit www.Jameco.com/Prod/MolexKK100

Free Technical Support

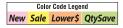
Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242



ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

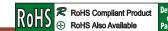
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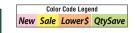
Details on page 1.



516226

514466





mole

KK® Series .100" (2.54mm) **Pitch Crimp Terminal Housing**

Lower \$\$\$

High Pressure

· Voltage: 250V

· Current: 2.5A

Contact resistance: 20mΩ max.

· Dielectric withstanding voltage: 1500VAC

Insulation resistance: 500k MΩ min.

Housing: white nylon, UL04V-0

* Prepackaged: please order in increments of 10

Part No.	Product No.	Positions	1	10	100
516218	10-11-2023	2	*	\$.069	\$.065
516226	10-11-2033	3	20	.088	.084
516234	10-11-2043	4	20	.124	.12
516242	10-11-2053	5	26	.247	.171
516251	10-11-2063♠	6	20	.185	.176
516277	10-11-2083♠	8	30	.28	.25
516293	10-11-2103♠	10	36	.30	.296
516314	10-11-2123	12	54	.418	.40



C-Grid™ .100" (2.54mm) Pitch Breakaway Headers

- · Voltage: 250V
- · Current: 3A
- Height: .220"
- Contact resistance: $15m\Omega$ max.
- · Contacts: phosphor bronze

Draduat Na

- Dielectric w/standing voltage: 1500V
- Insulation resistance: $1000M\Omega$ min.

High Profile .220"H, Dual Row, Right Angle

Part No.	Product No.	Positions	1	10	100
514095	10-89-4042♠	4	. \$.63	\$.60	\$.57
514301	10-89-4062♠	6	82	.78	.74
514431	10-89-4082♠	8	98	.93	.88
513720	10-89-4106♠	10	. 1.55	1.46	1.39
513754	10-89-4146♠	14	2.05	1.95	1.86
513762	10-89-4162♠	16	. 1.69	1.58	1.50
513789	10-89-4182♠	18	. 1.95	1.81	1.72
513800	10-89-4202♠	20	. 1.99	1.90	1.81
513842	10-89-4242♠	24	. 2.45	2.31	2.20
513869	10-89-4262♠	26	2.65	2.48	2.32
513906	10-89-4302♠	30	. 3.15	3.00	2.86
513949	10-89-4342♠	34	. 3.45	3.27	3.11
514001	10-89-4406	40	6.05	5.72	5.45
514183	10-89-4566♠	56	8.05	7.65	7.28
514280	10-89-4682♠	68	. 6.69	6.38	6.08

Dual Row, Vertical, High Temperature

Part No.	Cross Ref.	Positions	1	10	100
514600	10-89-7042♠	4	\$.24	\$.209	\$.186
514618	10-89-7062♠	6	34	.295	.239
514651	10-89-7082♣	8	46	.399	.319
514466	10-89-7102	10	65	.57	.421
514503	10-89-7142♠	14	92	.82	.59
514520	10-89-7162♣	16	1.15	1.01	.73
514546	10-89-7202♠	20	1.38	1.21	.87
514554	10-89-7242♠	24	1.99	1.74	1.25
514571	10-89-7302♠	30	2.09	1.82	1.30
514589	10-89-7342♠	34	2.35	2.06	1.47
514597	10-89-7402♠	40	2.79	2.49	1.77
514634	10-89-7802♠	80	6.35	5.53	3.96

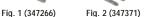
JAMECO ValuePro

.100" (2.54mm) IDC Headers

Quantity SAVE

· Housing: UL94V-0 rated, polyester, natural color





Narrow Flat Headers

Posts: copper alloy, tin plated

Lower \$\$\$ Base dimensions: 0.092"W x 0.1"H

Straight Post - Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347240	644456-2⊕	1	2 .	\$.20	\$.136	\$.099
347258	644456-3⊕	1	3	20	.111	.083
347266	644456-4 ↔	1	4	22	.205	.153
347274	644456-5⊕	1	5 .	20	.182	.137
347282	644456-6⊕	1	6 .	20	.182	.137
347291	644456-7⊕	1	7	28	.269	.201
347303	644456-8⊕	1	8 .	41	.328	.246
347311	644456-9⊕	1	9 .	37	.339	.254
347320	1-644456-0	Ð 1	10	41	.379	.284

Straight Post w/ Retentive Leg - Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347338	644695-2⊕	2	2	\$.20	\$.112	\$.084
347346	644695-3⊕	2	3	20	.118	.088
347354	644695-4⊕	2	4	20	.182	.136
347362	644695-5⊕	2	5	23	.22	.165
347371	644695-6⊕	2	6	29	.248	.186
347389	644695-7⊕	2	7	29	.288	.216
347397	644695-8⊕	2	8	36	.332	.248
347400	644695-9⊕	2	9	37	.368	.276
347418	1-644695-0	Ð 2	10	41	.409	.307

Right Angle Post - Tin Plated

"	5					
Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347426	644457-2⊕	3	2 .	\$.20	\$.103	\$.077
347434	644457-3⊕	3	3 .	20	.134	.10
347442	644457-4 ↔	3	4 .	20	.174	.13
347451	644457-5 ↔	3	5 .	20	.189	.141
347469	644457-6⊕	3	6.	31	.30	.225
347477	644457-7⊕	3	7.	99	.98	.74
347485	644457-8⊕	3	8 .	42	.39	.292
347493	644457-9⊕	3	9.	39	.355	.266
347506	1-644457-06	Ð 3	10		.489	.366





Fig. 6 (348251)

Fig. 4 (347531) Fig. 5 (348074) Narrow Flat Headers (Continued)

Right Angle Post w/ Retentive Leg - Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	. 1	10	100
347514	644694-2⊕	4	2	\$.20	\$.102	\$.077
347522	644694-3⊕	4	3	21	.125	.122
347531	644694-4 🕀	4	4	21	.182	.137
347549	644694-5⊕	4	5	24	.204	.153
347557	644694-6⊕	4	6	26	.221	.166
347565	644694-7 ↔	4	7	30	.255	.191
347573	644694-8⊕	4	8	34	.289	.217
347581	644694-9⊕	4	9	39	.332	.249
347590	1-644694-06	Ð 4	10	43	.366	.275

Friction Lock Headers

· Posts: copper alloy, gold over nickel plated

Straight Post - Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100	
348058	641215-2⊕	5	2	. \$.37	\$.304	\$.276	
348066	641215-3⊕	5	3\$	42.24	.204	.175	
348074	641215-4⊕	5	4	52	.442	.332	
348091	641215-6⊕	5	6	74	.68	.65	
348103	641215-7⊕	5	7	82	.70	.523	
348111	641215-8⊕	5	8	50	.495	.492	
348120	641215-9⊕	5	9	. 1.34	1.14	.85	
Pight Angle Post - Gold Plated							

Part No.	Cross Ref.	Fig.	POS.		10	100
348234	641216-2⊕	6	2	\$.56	\$.48 (\$.357
348242	641216-3⊕	6	3\$7	⁸ .59	.46	.345
348251	641216-4⊕	6	4	95	.81	.61
348269	641216-5⊕	6	5	82	.70	.523
348277	641216-6⊕	6	6	1.25	1.06	.80
348285	641216-7⊕	6	7	1.29	1.10	.82
348306	641216-9⊕	6	9	1.45	1.23	.93

Save Big! Special Values!

New Lower Prices = Orange Exceptional Quantity Discounts = Green

MTA-100 (.100") Solid Headers

- · Tin-plated • 0.025" square posts Housing: nylon UL94V-0 rated, white polyester
- · Posts: copper alloy, tin plated

Straight Friction Lock

Part No.	Product No.	Positions	1	10	100
613931	640456-2	2	\$.20	\$.059	\$.049
613940	640456-3	3	20	.079	.075
613958	640456-4	4	20	.105	.099
613966	640456-5	5	20	.115	.109
613974	640456-6	6	20	.131	.115
613982	640456-7♠	7	20	.12	.11
140004	(4045/ 0)	0		474	454

Straight



Right Angle Friction Lock

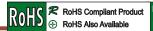
613931	640456-2	2 \$.20	\$.059	\$.049	Kigiit A	ilgic i rictioi	LUCK			
613940	640456-3	3 .20	.079	.075	Part No.	Product No.	Positions	1	10	100
613958	640456-4	420	.105	.099	524859	640457-2	2	. \$.20	\$.10	\$.08
613966	640456-5	5 .20	.115	.109	524867	640457-3♠	3	20	.071	.052
613974	640456-6	6 .20	.131	.115	524875	640457-4♠	4	20	.072	.068
613982	640456-7♠	7 .20	.12	.11	524883	640457-5♠	5	20	.089	.083
613991	640456-8♠	8 .20	.174	.154	524891	640457-6♠	6	20	.098	.094

Committed to You

We're committed to providing you with the best service in the industry.

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.







· Voltage rating: 250VAC

MTA-100 (.100") IDC Connectors

- · Current rating: 5A
- Dielectric withstand: 750VAC/1 min.
- · Contacts: phosphor bronze, tin-plated



756537 Closed-End Style w/o Polarizing Tab







756810 Feed-Thru Style w/ Polarizing Tab



Lower \$\$\$

Closed-End Style

Without I	Without Polarizing Tabs w/ Locking Ramp								
Part No.	Product No.	Pos. AWG	Color						
524699	640440-2♠	2 22	Red						

• Low-level resistance: $6m\Omega$ max. initial

* Prepackaged: please order in increments of 5

• Insulation resistance: $50kM\Omega$ min.

Part No.	Product No.	Pos.	AWG	Color 1	5
524699	640440-2♠	2	22	Red *	\$.107
750830	3-640440-2	♠ 2	22	Red *	.088
524701	640440-3♠	3	22	Red *	.115
750848	3-640440-3	♠ 3	22	Red *	.107
524710	640440-4	4	22	Red *	.155
841598	3-640440-4	4 4	22	Red *	.148
524728	640440-5	5	22	Red *	.204
750856	3-640440-5	∲ 5	22	Red *	.184
524736	640440-6♠	6	22	Red *	.213
750864	3-640440-6	♠ 6	22	Red *	.204
524744	640440-7♠	7	22	Red *	.233
750872	3-640440-7	♠ 7	22	Red *	.233
524752	640440-8♠	8	22	Red *	.281
750881	3-640440-8	\$ 8	22	Red *	.262
854591	640440-9♠	9	22	Red *	.446
524672	1-640440-0♠	10	22	Red *	.35

944520 4-640440-0 10 22 Red * 890648 1-640440-1 11 Red 1.29 1.09 524681 1-640440-2 12 22 Red * 944562 4-640440-2**★** 12 22 Red62 .58 890672 1-640440-3♠ 13 22 .75

741811 1-640440-4 14 22 Red 1.19 1.09 741829 1-640440-5 15 22 Red85 .75 741837 1-640440-6**★** 16 22 Red 1.29 1.19 890728 1-640440-7**★** 17 22 Red 2.75 2.59 910961 2-640440-0 20 22 Red 2.99 2.75 2 524761 640441-2 24 White * 3-640441-2**₹**♠ 2 24 White * .087 750899 524779 640441-3 24 White * .113 922814 3-640441-3**★** 3 24 White * .107 524787 640441-4♠ 24 White * 3-640441-4**₹**♠ 4 White * 750901 24 .107 524795 640441-5◆ 24 White * .204 750910 3-640441-5**₹**♠ 5 24 White * .184

White * .213 524808 640441-6 24 6 750928 3-640441-6**₹**♠ 6 White * 755930 640441-7♠ 24 White * .243 White * 750936 3-640441-7**₹**♠ 7 24 .236 524816 640441-8 24 White * 3-640441-8♠ 922849 8 24 White * .267 9 White ... 1.05 .95 965216 640441-9♠ 24 1-640441-0 10 24 741845 White * White * 944600 4-640441-0 10 24 741853 1-640441-2♠ 12 24 White * .446 944642 4-640441-2♠ 12 24 White62 White99 944685 4-640441-5**◆** 15 24 .94

> 2 26

8 26

3-640442-2**₹**♠ 2 Blue * 26 640442-3♠ 26 3-640442-3**₹**♠ 3 Blue * .107 26 640442-4 4 26 Blue * .15 3-640442-4**₹**♠ 4 26 Blue * .146 640442-5♠ 5 26 Blue * .204 3-640442-5♠ 26 Blue * 640442-6♠ 6 26 Blue * 3-640442-6 6 Blue * 26 .204 640442-7♠ 7 26 Blue * .252 3-640442-7♠ 7 26 Blue * .27

3-640442-8♠ 8 26 Blue * .26

Closed-End Style

Without Polarizing Tabs w/ Locking Ramp (Cont.)

	-			-			
Part No.	Product No.	Pos.	AWG	Color	1	5	
965232	640442-9♠	9	26	Blue	. \$1.05	\$.95	
741861	1-640442-0♠	10	26	Blue	*	.349	
944722	4-640442-2♠	12	26	Blue	59	.52	
With Polarizing Tahs & Locking Ramn							

Part No.	Product No.	POS.	AWG	Color		
965232	640442-9♠	9	26	Blue	. \$1.05	\$.95
741861	1-640442-0♠	10	26		*	.349
944722	4-640442-2♠	12	26	Blue	59	.52
With Pola	rizing Tabs &	Loc	king	Ramp		
Part No.	Product No.	Pos.	AWG	Color	1	5
858082	643813-2♠	2	22	Red	*	\$.126
751138	3-643813-2	2	22	Red	*	.087
751146	3-643813-3	♠ 3	22	Red	*	.10
858111	643813-4♠	4	22	Red	*	.155
751154	3-643813-4	4	22	Red	*	.146
751162	3-643813-5₹	∲ 5	22	Red	*	.184
858146	643813-6♠	6	22	Red	*	.30
751171	3-643813-6	• 6	22	Red	63	.56
858171	643813-7♠	7	22	Red	*	.252
751189	3-643813-8	\$ 8	22	Red	*	.267
966518	643813-9♠	9	22	Red	1.05	.93
742194	1-643813-0♠	10	22	Red	*	.349
944802	4-643813-0♠	10	22	Red	*	.33
890841	1-643813-2♠	12	22	Red	69	.55
944845	4-643813-2♠	12	22	Red	63	.57
890875	1-643813-4♠	14	22	Red	2.79	2.09
890904	1-643813-5♠	15	22	Red	1.15	.91
742207	1-643813-6♠	16	22	Red	2.69	1.99
756465	643814-2♠	2	24	White	*	.094
923366	3-643814-2♠	2	24	White	*	.098
858200	643814-3♠	3	24	White	*	.107
751197	3-643814-3	♠ 3	24	White	*	.107
858251	643814-4♠	4	24	White	*	.154
923382	3-643814-4♠	4	24	White	*	.147
858285	643814-5♠	5	24	White	*	.204
751200	3-643814-5₹	◆ 5	24	White	*	.191
858314	643814-6♠	6	24	White	*	.213
923403	3-643814-6♠	6	24	White	*	.24
923420	3-643814-7♠	7	24		*	.24
756473	643814-8♠	8	24		*	.341
923446	3-643814-8♠	8	24		*	.26
746347	1-643814-0♠	10	24		*	.359
944870	4-643814-0♠	10	24		*	.33
890947	1-643814-2♠	12	24		69	.55
944917	4-643814-2♠	12	24		63	.56
858349	643815-2♠	2	26		*	.094
751218	3-643815-2		26		*	.097
923462	3-643815-3♠		26		*	.10
756481	643815-4♠	4	26		*	.155
751226	3-643815-4		26		*	.146
858373	643815-5♠		26		*	.204
923489	3-643815-5♠	5	26		*	.187
858402	643815-6	6	26		*	.213
923500	3-643815-6♠	6	26		*	.20
756502	643815-7♠	7	26		*	.252
923526	3-643815-7♠	7	26		*	.31
923542	3-643815-8♠	8	26		*	.26
944950	4-643815-0♠	10	26		*	.44
756529	643816-2	2	28		*	.094
923569	3-643816-2♠	2	28	Green	*	.09

744122	4-040442-2	12	20	Diuc37	.54
With Pol	arizing Tabs &	Loc	king	Ramp	
Part No.	Product No.	Pos.	AWG	Color 1	
858082	643813-2♠	2	22	Red *	\$.12
751138	3-643813-2	2	22	Red *	.08
751146	3-643813-3	♠ 3	22	Red *	.10
858111	643813-4♠	4	22	Red *	.1!
751154	3-643813-4	4	22	Red *	.14
751162	3-643813-5	∲ 5	22	Red *	.18
858146	643813-6♠	6	22	Red *	.30
751171	3-643813-6	• 6	22	Red63	.50
858171	643813-7♠	7	22	Red *	.2
751189	3-643813-8	♦ 8	22	Red *	.20
966518	643813-9♠	9	22	Red 1.05	.93
742194	1-643813-0♠	10	22	Red *	.34
944802	4-643813-0♠	10	22	Red *	.33
890841	1-643813-2♠	12	22	Red69	.5
944845	4-643813-2♠	12	22	Red63	.57
890875	1-643813-4♠	14	22	Red 2.79	2.09
890904	1-643813-5♠	15	22	Red 1.15	.9
742207	1-643813-6♠	16	22	Red 2.69	1.99
75/4/5	(1001 1 0 .	0	0.4	\ \ / - ! -	

Closed-End Style w/ Polarizing Tab w/o Polarizing Tab

Feed-Thru Style

Without Polarizing Tabs w/ Locking Ramp

Part No.	Product No.	Pos.	AWG	Color 1	5
756027	640620-3♠	3	22	Red *	\$.146
923163	3-640620-3♠	3	22	Red *	.146
923180	3-640620-4♠	4	22	Red *	.147
855789	640620-5♠	5	22	Red *	.204
756035	640620-6♠	6	22	Red *	.213
923201	3-640620-6♠	6	22	Red *	.267
923227	3-640620-8♠	8	22	Red *	.34
756043	640621-2♠	2	24	White *	.155
923243	3-640621-3♠	3	24	White *	.137
756051	640621-4♠	4	24	White *	.155

With Polarizing Tabs & Locking Ramp

	_		_	-	
Part No.	Product No.	Pos.	AWG	Color 1	5
756799	644540-8♠	8	22	Red *	\$.281
756810	644563-4♠	4	24	White *	.155



More AMP MTA-100 **IDC** Connectors at www.Jameco.com

MTA-100 (.100") Strain Relief Covers

- · Closed End
- · UL94V-2 rated, white nylon
- Dust cover: UL94V-0 rated, white polyester

Part No.	Product No.	Positions	1	10	100
525149	643075-2♠	2	\$.23	\$.176	\$.168
525157	643075-4♠	4	29	.276	.22
525165	643075-5♠	5	69	.66	.64
525173	643075-6♠	6	21	.20	.19

.100" (2.54mm) **Strain Relief Covers**

326051 (Fig. 1)



326123

Closed-	End Style	•	ctu	IW)	Quanti	ty.	SAVE
Part No.	Cross Ref.	Fig.	Pos.		1 '	10	100
326019	643075-2⊕	1	2 .	\$.20	\$.1	42	\$.107
326035	643075-4⊕	1	4 .		1 .1	53	.114
326043	643075-5⊕	1	5 .	2	3 .1	98	.148
326051	643075-6⊕	1	6 .	20	1. 0	5	.113
326060	643075-7⊕	1	7 .	2	3 .2	13	.159
326078	643075-8⊕	1	8 .		4 .4	6	.345
326086	643075-9⊕	1	9 .		7 .4	84	363
326094	1-643075-0€	1	10		9 .3	31	248

Feed-Thru Style

ı	Part No.	Cross Ref.	Fig.	Pos.	1	10	100
ı	326107	643077-2⊕	2	2	\$.25	\$.23	\$.172
ı	326115	643077-3⊕	2	3	20	.111	.083
ı	326123	643077-4⊕	2	4	20	.119	.089
ı	326131	643077-5⊕	2	5	35	.30	.225
ı	326158	643077-7⊕	2	7	45	.382	.286
ı	326174	643077-9⊕	2	9	57	.485	363
ı	226192	1-6/3077-06) 2	10	50	501	275

🛊 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

643816-4♠

643816-6♠

756537

756553

.11

.281

Blue *

Blue *

🗷 RoHS compliant product 🛮 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

28

Green *

6 28 Green * .213

640442-8

524824

750944

854621

750952

524832

750961

854647

922873

854671

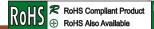
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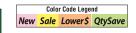
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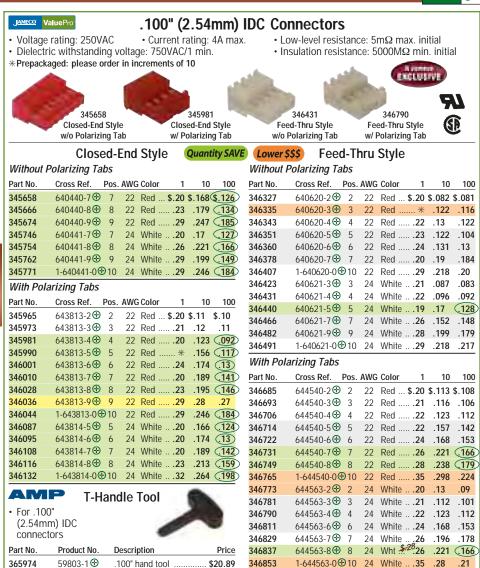
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854701

640442-2







.118" (3.0mm) Pitch Micro-Fit 3.0™ SMT Connectors Current: 5.0A max. Contact: brass Voltage: 250V

- · Solderable fitting nail provides retention to PCB
- · Fully polarized to mating receptacle
- Dielectric withstanding voltage: 1500VAC
- Contact resistance: 10mΩ max.

Single Row, Right Angle, Tin

Insulation resistance: 1000MΩ min.









.36 \$2.08 .09 2.05

.29 2.89

.35 3.79

Single Row, Right Angle Dual Row, Vertical Dual Row, Right Angle

Sinale	Row.	Riaht	Angle,	Gold

Cross Ref. No.	Pos.	1	10	100	Single i	Row, Rigni Ang	ie, Goia			
43650-0212 ₹	2	\$2.15	\$2.00	\$1.65	Part No.	Cross Ref. No.	Pos.	1	10	100
43650-0312 	3	2.35	2.27	1.84	338415	43650-0210	2 \$	1.99	\$1.81	\$1.62
43650-0412 2	4	3.09	2.73	1.82	338440	43650-0310	3	2.65	2.35	2.02
43650-0512 	5	2.75	2.52	2.14	338474	43650-0410	4	2.95	2.89	2.24
43650-0612 2	6	3.19	2.88	2.32	338503	43650-0510	5	3.15	2.89	2.42
w. Vertical. Tin					338538	43650-0610₹	6	3.45	2.99	2.62
w, vertical, illi										

Duai No	w, vertical, ili	,						
337949	43045-0218	2 \$2.15	\$1.91	\$1.66	Dual Ro	ow, Vertical, 30)μ" Gold	
338028	43045-0418	4 2.49	2.37	2.04	337957	43045-0220₽	2 \$2.65	\$2.
338095	43045-0618	6 3.55	3.32	2.46	338036	43045-0420	4 2.29	2.
338159	43045-0818	8 3.25	2.85	2.46	338108	43045-0620	6 3.69	3.
338191	43045-1018 	10 3.55	3.32	2.75	338204	43045-1020 ≉	10 4.85	4.

Dual Row, Right Angle, Tin				Dual Row, Right Angle, 30μ" Gold					
337906	43045-0209 2	2 \$2.15	\$1.92	\$1.69	337914	43045-0211 	2 \$2.85	\$2.49	\$2.14
337981	43045-0409	4 2.65	2.37	1.99	337990	43045-0411	4 3.55	3.32	2.61
338061	43045-0609	6 3.05	2.84	2.27	338124	43045-0811	8 3.05	2.76	2.60

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.118" (3.0mm) Single Row **Micro-Fit Connectors**

Molex Micro-Fit 3.0™ Series Value Equivalents



- Positive latching to mating headers or plugs
- Fully isolated contacts Wire to wire
- Integral pull tabs for ease in unmating
 Black
- Receptacle mates with 43640 and 43650 series

Receptacles (Fig. 1)

I	Part No.	Cross Ref. No. Po	ositions	1	10	100
I	338351	43645-0200 2	2	. \$.20	\$.166	\$.152
I	338360	43645-0300	3	20	.17	128
I	338378	43645-0400	4	21	.179	.134
I	338634	43645-0500	5	23	.196	.147
I	338386	43645-0600₹	6	26	.221	.166

Plugs - Panel Mount (Fig. 2)

Part No.	Cross Ref. No. P	ositions	1	10	100
338255	43640-0200≉	2	. \$.20	\$.17	\$.128
338271	43640-0300₽	3	23	.196	.147
338298	43640-0400₹	4	32	.272	.204
338319	43640-0500₽	5	35	.298	.224
338335	43640-0600≉	6	38	.349	.262

Plugs - Free Hanging (Fig. 3)

I	Part No.	Cross Ref. No. Po	ositions	1	10	100
I	338263	43640-0201	2	\$.20	\$.162	\$.122
I	338280	43640-0301	3	20	.162	.122
I	338301	43640-0401	4	21	.179	.134
I	338327	43640-0501	5	50	.425	.318
I	338343	43640-0601	6	34	.298	.217

Single Row PCB Headers

- · Snap-in peg locks header to PCB for retention
- Surface mount compatible Black
- Mates with 43645 series · Wire to board
- Fully polarized to mating receptacle

Right Angle w/ Snap-In Plastic Peg - Tin (Fig. 4)

	Part No.	Cross Ref. No. Po	ositions	1	10	100
	338394	43650-0200	2	\$.39	\$.332	\$.249
	338431	43650-0300≉	3	41	.349	.262
	338466	43650-0400	4	43	.366	.275
	338491	43650-0500	5	1.15	.98	.73
	338520	43650-0600≉	6	99	.83	.62
ı						

Right Angle w/ Snap-In Plastic Peg -15µ" gold (Fig. 4)

Part No.	Cross Ref. No. Po	sitions	1	10	100
338407	43650-0201	2	. \$.61	\$.519	\$.389
338642	43650-0301 🗷	3	. 1.09	.93	.69
338651	43650-0401	4	. 1.25	1.06	.79



Find more Molex Micro-Fit 3.0™ at www.Jameco.com/Prod/Microfit



Part No.

338423

338458

338482

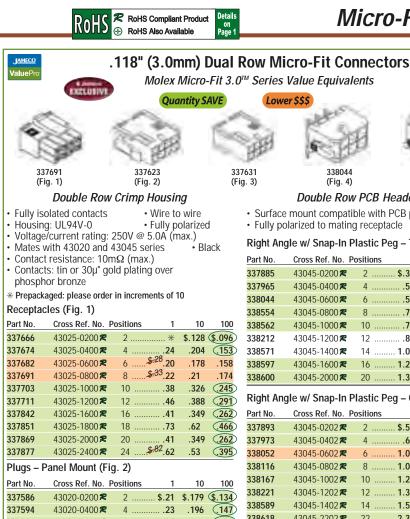
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Dual Pow Vortic

EXCLUSIVE

104731



33/3/4	43020 0400 M	₸	. 1 / 0	.141		
337607	43020-0600₽	6 .29	.247	.185		
337623	43020-0800₹	8 .35	.298	.224		
337640	43020-1000₽	10 \$.40. 31	.264	.198		
337826	43020-1200₽	12 \$.45 .42	.357	.268		
337834	43025-1400≉	14\$. ⁴⁹ .39	.333	.25		
Plugs – Free Hanging (Fig. 3)						

. 3		, ,			
Part No.	Cross Ref. No. Po	sitions	1	10	100
337800	43020-0201	2	\$.22	\$.186	\$.14
337818	43020-0401	4	29	.253	.194
337615	43020-0601 🕿	6	31	.237	.20
337631	43020-0801	8	40	.34	.255
337658	43020-1001	10	^{.46} .26	.224	(.168)

. omale el maio come		
Type*:	<u>~</u>	.
1: female	Female	The same of
2: male	(1B)	-
A: tin plating over		
phosphor bronze	Male 🕌	
B: 30µ" select gold over	(2A)	1
nickel over phosphor	bronze	-
Prepackaged: please order i	n increments of	10

Prepackaged: please order in increments of 10						
Part No.	Cross Ref. No.	AWG	Type*	10	100	
337720	43030-0007 	20-24	1A	\$.094	\$.072	
337738	43030-0009	20-24	1B	108	.105	
337746	43030-0010≉	26-30	1A	096	.072	
337754	43030-0012	26-30	1B	119	.089	
337762	43031-0007 🕿	20-24	2A	087	.065	
337771	43031-0009	20-24	2B	135	.104	
337789	43031-0010 2	26-30	2A	085	.064	
337797	43031-0012	26-30	2B	134	(101)	

Double Row PCB Headers

338079

(Fig. 5)

- · Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle
 Black

Right Angle w/ Snap-In Plastic Peg - Tin (Fig. 4)

Part No.	Cross Ref. No. F	Positions	1	10	100
337885	43045-0200≉	2	\$.36	\$.306	\$.23
337965	43045-0400 	4	52	.442	.332
338044	43045-0600₽	6	56	.476	.357
338554	43045-0800₽	8	70	.60	.45
338562	43045-1000 ₹	10	78	.66	.497
338212	43045-1200 2	12	89	.84	.77
338571	43045-1400 2	14	1.09	.99	.92
338597	43045-1600 2	16	1.25	1.06	.80
338600	43045-2000 	20	1.39	1.18	.88

Right Angle w/ Snap-In Plastic Peg - Gold (Fig. 4)

Part No.	Cross Ref. No.	Positions	1	10	100
337893	43045-0202	2	\$.52	\$.442	\$.332
337973	43045-0402 	4	69	.59	.44
338052	43045-0602	6	1.01	.86	.65
338116	43045-0802 	8	1.05	.89	.67
338167	43045-1002 	10	1.25	1.06	.80
338221	43045-1202 	12	1.39	1.18	.89
338589	43045-1402 2	14	1.59	1.35	1.01
338618	43045-2202 	22	2.39	2.03	1.52
338626	43045-2402 	24	5.99	5.09	3.80

Vertical Thr	u Hole –	Tin	(Fig.	5
--------------	----------	-----	-------	---

Part No.	Cross Ref. No. Pos	sitions 1	10	100
337922	43045-0212	2 \$.63	\$.539	\$.404
338001	43045-0412	4	.34	.315
338079	43045-0612	648	.408	.306
338132	43045-0812	8	.60	.446
338175	43045-1012	10	.55	.415
338239	43045-1212 ₹	12 .82	.70	.52

Vertical Thru Hole - Gold (Fig. 5)

Part No.	Cross Rel. No. P	OSITIONS	1 10	100
337931	43045-0214	2 \$.49	9 \$.417	\$.313
338010	43045-0414	460	.51	.383
338087	43045-0614	68 ⁻	1 .69	.517
338141	43045-0814	8 .9 9	9 .84	.63
338183	43045-1014	10 2.2 !	5 1.91	1.43
338247	43045-1214	12 1.3 9	9 1.18	.88

Extraction Tool

· Length: 3.0'



Crimp Tool

Length: 8.25"

				-
Part No.	Cross Ref. N	0. 1	5	10
338678	HT-225D ≈	\$24.99	\$22.99	\$19.99



.156" (3.96mm) Center **Housing Connectors**

Common to many power supplies carried by Jameco. Some power supplies (pgs 214-218) may require multiple connectors

Housing material: nvlon 66. UL94V-2

Quantity SAVE Use w/ crimp pins, 78319, below

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104432	LCH3 ⊕o	3	\$.22	\$.19	\$.12	\$.11
104716	LCH4 ₹	4	25	.22	.15	.12
104723	LCH5⊕	5	22	.198	.141	.106
104731	LCH6⊕	6	33	.30	.24	.15
104766	LCH10⊕	10	58	.51	.274	206



.156" (3.96mm) **Center Crimp Pins**

• Pin wire gauge: 18-24 AWG

Material: brass/tin plated

Use with .156 housings (above)

Prepackaged: please order in increments of 10

Mfr. Cross Ref. No. 100 1000 JS-5001-T **?** \$.11 78319 \$.08 \$.07



MTA-156 (.156") **Housings & Accessories**

524613

Housings

- · Housing material: UL 94V-2 rated nylon
- · Contacts: copper alloy
- with 2.03µ" tin plating
 Accepts 1.14mm (0.045") posts
- * Prepackaged: please order in increments of 10

18AWG w/o tabs

Part No.	Product No.	Positions	1	10	100
524592	640426-2♠	2	*	\$.152	\$.137
524605	640426-3♠	3	*	.155	.104
524613	640426-4♠	4	26	.234	.185
524621	640426-5♠	5 . 8	35	.74	.67
524630	640426-6♠	6	24	.22	.202

22AWG w/o tabs

Part No.	Product No.	Positions	1	10	100
524648	640428-2♠	2	*	\$.132	\$.119
524656	640428-4♠	4	20	.164	.152
524664	640428-6♠	6	24	.22	.202

Closed End Strain Relief Covers

Part No.	Product No.	Positions	1	10	100
525106	640428-2♠	2	\$.23	\$.215	\$.201

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Manual Pistol Hand Grip Tool

· For use with MTA Connectors



Part No.	Product No.	1	10
526635	58074-1	\$57.09	\$53.45

More AMP MTA-156 products at www.Jameco.com/Prod/AMPMTA

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product

10

\$.103

.149

.158

.185

.204

10

\$.113

.139

.127

.185

10

.149

10

\$.119

.179

.17

199

.179

10

\$.16

.22

.256

.57

227416

Part No.

397431

397440

397458

397466

397474

Part No.

397520

397538

397546

397554

397562

Orange

Part No.

397618

397626

397634

397642

397651

Part No.

397706

397714

397722

397731

397749

Part No.

398696

398709

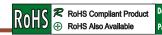
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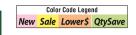
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· Yellow

Yellow





Friction Lock



100

(\$.077)

(.112)

(119)

(139)

100

\$.085

.104

.118

.139

.145

100

\$.128

(104)

(105)

.138

.145

100

(134)

.128

(.149)

(.134)

100

(\$.12)

(.165)

(.17)

(.428)

(.185)

\$.089

Orange

Closed-End Style With Locking Ramp and w/o Polarizing Tabs (Fig. 1)

• AWG: 18

AWG: 20

With Locking Ramp and Polarizing Tabs (Fig. 2)

• AWG: 18 Cross Ref. No. Positions

• AWG: 20

Cross Ref. No. Positions

Strain Relief Covers for Closed-End Style

Cross Ref. No. Positions 1

Cross Ref. No. Positions

2 **\$.21**

322

423

524

624

2 **\$.21**

322

423

524

625

322

423

524

2 \$.20

3 22

423

5 .24

624

2 **\$.20**

324

433

567

1

2 \$.20 \$.17

.24

Cross Ref. No. Positions

640426-2

640426-3₹

640426-42

640426-5₹

640427-22

640427-3

640427-42

640427-5

640427-6

643817-22

643817-32

643817-42

643817-5₹

643818-2

643818-3

643818-42

643818-5 🕿

643818-6

643067-22

643067-32

643067-42

643067-52

Feed-Thru Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 3)

 Orange 	• A	WG: 18			
Part No.	Cross Ref. No.	Positions	1	10	100
397790	640599-2	2 \$.20	\$.117	\$.088
397802	640599-3	3	.22	.129	.097
397811	640599-4	4	.23	.158	119
397829	640599-5 2	5	.24	.172	.129
397837	640599-6	6	.24	.199	149
 Yellow 	w • AWG: 20				

Part No.	Cross Ref. No.	Positions 1	10	100
397888	640600-2	2 \$.21	\$.129	\$.097
397896	640600-3₹	3 .22	.149	112
397917	640600-5₹	5 .24	.179	134
397925	640600-6	6 .24	.199	153

With Locking Ramp and Polarizing Tabs (Fig. 4)

Part No.	Cross Ref. No.	Positions 1	10	100
397976	644465-2	2 \$.21	\$.099	\$.074
397984	644465-3	3 .22	.119	.089
398004	644465-5	5 .24	.175	(131

• AWG: 18

 Yellow 	٠ ٨	WG: 20		
Part No.	Cross Ref. No.	Positions 1	10	100
398063	644466-2	2 \$.21	\$.099	\$.074
398071	644466-3 2	3 .22	.109	.10
398080	644466-42	423	.119	.099
398098	644466-5₽	5 .24	.189	.142
398101	644466-6 2	6 .24	.199	.149

Strain Relief Covers for Feed-Thru Style Cross Dof No Docitions

Part No.	CIUSS Rei. NO.	POSITIONS I	10	100
398602	643071-2	2 \$.20	\$.189	\$.141
398611	643071-3	3 .27	.245	.183
398629	643071-42	437	.327	.245
398637	643071-5	5 .34	.316	.237
398645	643071-6 2	6 .20	.166	.124

T-Handle Tool

•	For	.156"	IDC	connectors
---	-----	-------	-----	------------

Part No.	Product No.	Description	Price
404540	59804-1⊕	0.156" hand tool	\$20.89

.156" Center Housing **Connectors & Crimp Contact**

- · Mating connectors for Mean Well LPS and LPP series power supplies (pgs 217-218) · Current rating:
 - 10A AC/DC
- Voltage rating: 250V AC/DC

227416: Quantity SAVE · Material: brass

• Finish: tin-plated • 18-22 AWG

Part No.	Description	1	10		1000
215950	5 pos. housing ⊕	\$.35	\$.31	\$.25	\$.187
227416	Crimp contact⊕	32	.288	.23	.173

Voltage rating:

.156" (3.96mm) Center Straight-Friction Lock Headers

ENGLISH VE

104811

- 250VAC/VDC max. Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25°C to +85°C Header material: pin-tin-plated brass
- Base: nylon 66, UL94V-2

* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	PINS		10	100	1000
104791	LMH4⊕	4	\$.23	\$.13	\$.109	\$.093
104803	LMH5⊕	5	*	.13	.11	.09
104811	LMH6⊕	6	*	.128	.102	.077
104803 104811 104846	LMH10⊕	10	27	.198	.184	.138

.156" (3.96mm) Male Headers

- .045" square posts
- · Voltage and current rating: 600VAC @ 7.0A
- Contact material/plating: copper alloy/tin
- Insulator material: polyester
- UL94V-0 flammability rating
- Solder tail material/plating: copper alloy/tin



Friction Lock Straight Friction Lock Headers

 Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425" **❸** Blue Part No. = Limited Quantity Available

Part No.	Product No.	Positions	1	10	100
231546	640445-2 	2	. \$.20	\$.07	\$.06
231554	640445-3 	3	21	.075	.065
231562	640445-4 % ©	4	22	.129	.115
231626	1-640445-0	10	26	.24	.18

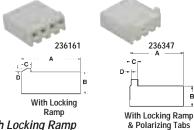
Right Angle Friction Lock Headers

Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

Part No.	Product No.	Positions	1	10	10
232362	640389-2 	2	. \$.29	\$.26	\$.23
232400	640389-6 2	6	80	.71	.62

.156" (3.96mm) Female Housing

- · Voltage and current rating: 250VĂC @ 6.5A maximum
- · Material: nylon, unreinforced 94V-0
- Dielectric withstanding voltage: 2kVAC
- Insulation resistance: 1,000M Ω minimum
- · Hole diameter: .054" (1.37mm)



With Locking Ramp

Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"

Part No.	Product No.	Positions	1	10	100
236144	640250-2 	2 \$.2	20	\$.099	\$.075
236152	640250-3 	3	21	.095	.07
236161	640250-4	4	22	.15	.112
236187	640250-6 ≉	6	20	.141	.105
236224	1-640250-0	10	51	.466	.349

With Locking Ramp and Polarizing Tabs

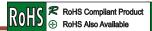
 Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .019" ±.003"

Part No.	Product No.	Positions	1	10	100
236321	770849-2 2	2	. \$.22	\$.106	\$.075
236347	770849-4 2	4	29	.213	152
236398	770849-9🇷	9	46	.39	.19

More AMP .156" (3.96mm) Series at www.Jameco.com/Prod/AMPMTA

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product





.156" Crimp Contacts

- Voltage rating: 250VAC
 Current rating: 10A max.
- Low level resistance: 30mΩ max.
- · Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material and finish:

(High-Force)

- *A: brass, 0.012" bright tin plated
- *B: brass, 0.012" pre-tin plated
- *C: brass, 0.000030" gold over nickel plated
- *D: phosphor bronze, 0.012" bright tin plated
- *E: phosphor bronze, 0.00003" gold over nickel plated
- For use with .156" AMP housings (left)
- · Prepackaged: please order in increments of 10



(Low-Force)

Part No.	Product No.	Desc.*	AWG	10	100	500
248866	640706-1⊕	1A	18-24	\$.171	\$.155	\$.145
248874	640706-2	1B	18-24	152	.14	.13
248882	640707-1⊕	2A	18-24	186	.167	.137
248891	770258-1	2C	18-24	39	.35	.32
248903	770522-1⊕	3D	18-24	19	.138	.123
248911	770258-2⊕	3E	18-24	30	.27	.23



KK[®] Series .156" (3.96mm) Pitch PCB Connectors

- · Current: 5A
- · Voltage: 250VAC
- Contact resistance: 6mΩ max.
- Insulation resistance: 50k M Ω min.
- Housing: nylon, UL94V-2
- · Dielectric w/standing voltage: 1500VAC

Bottom Entry

· Contact: brass with .38µm select gold

Part No.	Product No.	Positions	1	10	100
523223	09-62-3032♠	3	\$.75	\$.461	\$.439
523240	09-62-3042♠	4	95	.84	.59
523274	09-62-3062	6	98	.93	.88
523320	09-62-3082	8	2.29	1.88	1.18
523418	09-62-3122♠	12	1.95	1.85	1.76

Contacts: brass or phosphor bronze w/ tin-lead plating								
Part No.	Product No.	Positions	1	10	100			
481588	09-52-3042♠	4	. \$.41	\$.386	\$.367			
481596	09-52-3052♠	5	50	.47	.447			
481609	09-52-3062	6	91	.86	.65			
481617	09-52-3072♠	7	. 1.03	.98	.70			
481633	09-52-3082♠	8	99	.94	.72			

Riaht Anale

· Contact: brass with .38um select gold

			. 9		
Part No.	Product No.	Positions	1	10	100
523371	09-62-3101♠	10	\$2.69	\$2.37	\$1.40



KK® Series .156" (3.96mm) Crimp Terminal

Trifurcon Terminal

- Brass with tin plating (cat ear)
- · Prepackaged: please order in increments of 10

Part No.	Product No.	Description	10	100
462774	08-50-0165	18-20 AWG (bag)	\$.105	\$.095



KK® Series .156" (3.96mm) **Pitch Crimp Terminal Housings**

• Voltage: 250VAC • Housing: nylon, UL94V-2

Dielectric withstanding voltage: 1500VAC

With Locking Ramp (KK Series 2139)

· Current: Lower \$\$\$ brass - 5A max.;

phosphor bronze - 7A max.;

 Contact resistance: 6mΩ max. Insulation resistance: 50k MΩ min.

Part No.	Product No.	Positions	1	10	100
463427	09-50-3021	2	\$.20	\$.096	\$.088
463435	09-50-3031	3	20	.13	.124
463443	09-50-3041	4	25	.173	.165
463460	09-50-3061	6	31	.295	.257
463486	09-50-3081	8	40	.275	.248
463507	09-50-3101	10 \$.4	0.26	.243	.225
163533	00-50-3121	12	61	5.0	105

With Locking Ramp (KK Series 41695)

· Current:

(Hooded - Dual Wipe)

brass - 5A max.;

phosphor bronze - 7A max.;

- Contact resistance: 6mΩ max.
- Insulation resistance: 500k MΩ min.

Part No.	Product No.	Positions	1	10	100
481393	09-50-8021♠	2	\$.20	\$.104	\$.095
481406	09-50-8031♠	3	20	.122	.121
481422	09-50-8041♠	4	35	.301	.229
481449	09-50-8051♠	5	27	.209	.198
481465	09-50-8061♠	6	28	.252	.244
481502	09-50-8081♠	8	35	.334	.315
481334	09-50-8101♠	10	72	.62	.409
481060	09-50-8121	12	.84	.66	485

With Locking Ramp (KK Series 3069)

- · Current: 7A
- · Wire-to-Board
- Contact resistance: 20mΩ max.
- Insulation resistance: 500k M Ω min.

Part No.	Product No.	Positions	- 1	10	100
520031	09-91-0200♠	2	\$.31	\$.289	\$.275
520049	09-91-0300♠	3	57	.542	.409
520057	09-91-0400	4	51	.488	.464
520065	09-91-0500♠	5	42	.395	.377
520073	09-91-0600	6	44	.42	.40
520209	09-91-2000♠	20	94	.89	.85



SP0X™ .156" (3.96mm) Pitch Headers

519881

Right Angle, Friction Lock

- · Current: 7A
- · Voltage: 250V
- Lower \$\$\$

Housing:

6/6 nylon, UL94V-2

- Contact resistance: $10m\Omega$ max.
- Insulation resistance: 1000MΩ min.
- Dielectric withstanding voltage: 1500VAC/1 min.

	ant Na	Dundunk		Danislana		10	1
•	Contacts	: brass	w/ ti	in plating,	0.045"	square	posts

Part No.	Product No.	Positions 1		10	100
519881	09-75-2024	2	. \$.26	\$.253	\$.245
519890	09-75-2034♠	3	48	.456	.342
519902	09-75-2044♠	4	44	.42	.392
519929	09-75-2064♠	6	89	.82	.80



More Molex KK® Series .156" products at www.Jameco.com/Prod/MolexKK

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



mole .156" (3.96mm) Pitch Headers

Vertical

- · Current: 7A · Voltage: 250V
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC/1 min.
- Insulation resistance: $1000M\Omega$ min.
- Housing: 6/6 nylon, UL94V-2
- · Contacts: brass w/ tin plating, 0.045" square posts

Part No.	Product No.	Positions	1	10	100
519751	09-67-4061♠	6	. \$.55	\$.52	\$.495



.165" (4.2mm) Mini-Fit Jr. Connectors

- Fully isolated terminals to protect contacts from damage UL/CSA/TUV approved
- Use with strain relief or overmold applications
- Positive housing lock for secure mating retention
- Uses standard Mini-Fit series terminals
- Housing: 6/6 nylon natural, UL 94V-2 rated



Fig. 1	Fig	g. 2 🦳		Fig.	3	
Double	Row Recep	otacles	Qu	ant	ity SAV	'E
Part No.	Product No.	Fig.	Pos.	1	10	100
303562	39-01-2020	2 1	2 \$.	33	\$.294	\$.225
303571	39-01-2040	2 1	4	41	.341	.232
303589	39-01-2060	2 1	6	42	.357	.268
303597	39-01-2080	2 1	8	45	.406	.274
303600	39-01-2100	2 1	10	50	.445	.299
303618	39-01-2120	第 1	12	62	.527	.395
303642	39-01-2180	2 1	18	81	.72	.485
303651	39-01-2200	2 1	20	89	.79	.532
303677	39-01-2240	2 1	24 1.	12	.95	.71

Double Row Plugs

Panel Mount Plugs w/ Mounting Ears

Part No.	Product No.	Fig.	Pos.	1	10	100
303685	39-01-2021 2	2	2	\$.32	\$.264	\$.193
303693	39-01-2041🗷	2	4	47	.392	
303706	39-01-2061	2	6	48	.41	.304
303731	39-01-2121 2	2	12	56	.48	.36

Double Row Headers

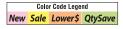
- Voltage: 600V
 Contact resistance: 10mΩ max.
- · Dielectric withstanding voltage: 1500VAC
- Insulation resistance: $1000M\Omega$ min.
- · Contact: brass or phosphor bronze

Right An	igle Headers w/	Flan	ige – Gold P	lated,	30µ"
304442	39-29-5023₹	3	2 \$1.79	\$1.52	\$1.14
304451	39-29-5043	3	4 1.85	1.64	1.10
304493	39-29-5123🗷	3	12 4.15	3.66	2.44
304549	39-29-5223₹	3	22 9.49	8.07	6.05



304936: Extraction tool

Part No.	Product No.	1	5
304928	63811-1000⊕	\$42.99	\$41.33
304936	11-03-0044⊕	19.99	18.99



This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD



RoHS Compliant Product RoHS Also Available







.165" (4.2mm) Mini-Fit Jr. Contacts

- · Voltage: 600V
- Current: 9A (†12A current rating)
- Dielectric withstanding voltage: 1500V
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.
- Material:
- *A: Brass (pre-plated tin over copper)
- *B: Brass or copper (post-plated tin over nickel)
- *C: Brass (post-plated tin over nickel)
- *D: Phosphor bronze (pre-plated gold over nickel)
- *Prepackaged: please order in increments of 10
- Blue Part No. = Limited Quantity Available



Male Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304725	39-00-0041€) 1A	18-24	*	\$.056	\$.047
304792	30490-2012) 1D	18-24	28	.238	.179
304768	44478-11126)†1B	22-28	28	.261	.171

· Sold in 4000 piece reel

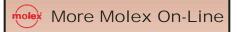
Part No.	Product No.	Desc.*	AWG	Price
307985	39-00-0040	Ð 1A	18-24	\$108.00

Female Contacts

Part No.	Product No. L					
304670	44476-3112⊕	† 2C	16 \$.32	\$.20	\$.165	\$.124
304733	39-00-0039⊕	2A	18-24	*	.064	.059
304750	39-00-0182⊕	2D	18-24	46	.44	.40
304776	44476-1112⊕	† 2B	18-24	*	.136	.102
304784	44485-1212⊕	† 2D	18-24 0	.88	.74	.523
304813	39-00-0164⊕	2C	18-24	43	.39	.345
304872	39-00-0047⊕	2A	22-28	20	.14	.096

· Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307993	39-00-0038€	Ð 2A	18-24	\$140.00



Find more Molex Mini-Fit™ Jr. products at

www.Jameco.com/Prod/MiniFit

.165" (4.2mm) Mini-Fit™ Jr. **Equivalent Contacts**





Quantity SAVE A: Tin over nickel over brass

B: 15µ" gold over nickel over brass

C: 30u" gold over nickel over brass

D: Tin over nickel over phosphor bronze

E: 15μ" gold over nickel over phosphor bronze F: 30µ" gold over nickel over phosphor bronze

*Prepackaged: please order in increments of 10

жегераска	ageu. piease oru	er iii iiic	rements of	10	
Part No.	Cross Ref. No.	AWG	Type* 1	10	100
365747	39-00-0054	18-24	1C \$.48	\$.356	\$.258
401859	39-00-0076₹	18-24	1B .2 9	.23	.173
365798	39-00-0088	22-28	1C30	.255	.191
365704	39-00-0096₹	16	1C30	.255	.191
401841	39-00-0098	22-28	1B .31	.264	.198
401867	39-00-0099₹	16	1B .2 0	.15	.113
401824	39-00-0121	18-24	1A *	.062	.044
401816	39-00-0123	22-28	1A20	.075	.056
401832	39-00-0125₹	16	1A20	.076	.057
401752	39-00-0126	22-28	2D *		.041
365886	39-00-0164	18-24	2C.\$.31.29	.247	.185
365915	39-00-0166₹	22-28	2C.\$.31.29	.25	.188
365835	39-00-0168	16	2C36		.23
401736	39-00-0170≉	18-24			.185
401728	39-00-0172 ₹	22-28	2B\$.31.29	.247	.185
401744	39-00-0174	16	2B 3 5	.298	.224
365851	39-00-0182₹	18-24	2F38	.323	.242
365907	39-00-0184	22-28	2F38	.323	.242
365827	39-00-0186₹	16	2F38		.224
401795	39-00-0195≉	18-24	2E.\$:32.29	.247	.185
401787	39-00-0197₹	22-28	2E38	.323	.242
401808	39-00-0199≉	16	2E35	.298	.224
401701	39-00-0208	18-24	2A *	.063	.047
401699	39-00-0210₹	22-28	2A *	.056	.041
401710	39-00-0212 	16	2A *	.126	.118
401761	39-00-0214	18-24	2D *	.076	.055
401779	39-00-0218≉	16	2D *	.119	.089

Hand Crimp Tools for Mini-Fit Jr.

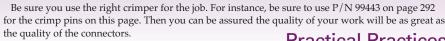


308030: Cuts & strips 14-24 AWG wires 227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030	W-HT-1919 ⊕	8.3"L	Red	. \$14.99	\$13.99
227491	W-HT-1921 ⊕	8.3"L	Yellow	14.99	13.99

Making Great Connectors Even Better!

Do you know how to make these premium-quality connectors even better? Too often, prototypers use pliers or an incorrect crimper to fasten wire to pin. When the plier tips are too wide, pin shapes become distorted. Even a slight distortion can prevent the pin from seating in the connector properly, which leads to poor connections. An improper crimper can either under-crimp, leading to future wire separation; or over-crimp, leading to fatigued pins that eventually break apart.



Money Saving Tips for the Engineer



.165" (4.2mm) Connectors Molex Mini-Fit Jr. Value Equivalents

Low profile design to accommodate

height constraints • UL rating: 94V-2 Fully isolated terminals to protect

contacts from damage • Pitch: 0.165" (4.2mm)

Positive locking housings
Contact resistance: 10mΩ
Current: up to 9A
Voltage: 600V

• Temperature: -40°C to +150°C

Housing: 6/6 Nylon Natural





Molex 5557 Series Connector Equivalents

Receptacle Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364584	39-01-4030	1			\$.147	
364592	39-01-4040₽	1	4 \$.33	29	.247	.185
364605	39-01-4050 ≉	1	5	33	.265	.223

Receptacle Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736	39-01-2020₹	2	2 \$.	.27	\$.23	\$.173
364744	39-01-2040₽	2	4	.20	.176	.119
364752	39-01-2060 	2	6	.38	.34	.23
364761	39-01-2080 ≉	2	8		.371	.258
364779	39-01-2100₽	2	10\$.42	35	.29	.218
364787	39-01-2120 2	2	12	.52	.429	.321
364795	39-01-2140₽	2	14	.70	.62	.465
364808	39-01-2160₽	2	16	.59	.502	.377
364824	29-01-2200	2	20	.75	.64	.479
364832	39-01-2220₽	2	22	.99	.84	.63
364841	39-01-2240	2	24	90	.88	.66

Molex 5559 Series Connector Equivalents Plugs - Panel Mount w/ Ears, Single Row

Part No. Cross Ref. No. Fig. Positions 1 364613 39-01-4032 3 3 ... \$.24 \$.195 (\$.146) 364621 39-01-4052 .. .32

Plugs - Panel Mount w/ Ears, Dual Row

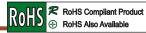
Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364859	39-01-2021₹	4	2 \$.2	8.	\$.273	\$.204
364867	39-01-2041	4	43	37	.355	.266
364875	39-01-2061	4	63	9	.371	.278
364883	39-01-2081₹	4	83	5	.312	.234
364891	39-01-2101₹	4	105	4	.489	.366
364904	39-01-2121	4	12 . 5	5	.514	.385
364912	39-01-2141	4	145	9	.435	.326
364921	39-01-2161	4	16 .6	2	.506	.379

Plugs - Free Hanging w/o Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions 1	10	100
364630	39-01-4036	5	3 \$.20	\$.18	\$.135
364648	39-01-4046	5	424	.196	.147
364656	39-01-4056	5	5 .27	.22	.165

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

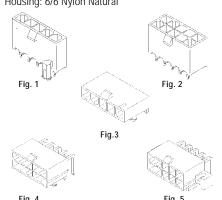






.165" (4.2mm) Connectors Molex Mini-Fit Jr. Value Equivalents (Continued)

- · Low profile design to accommodate
- UL rating: 94V-2 height constraints
- Fully isolated terminals to protect
- contacts from damage • Pitch: 0.165" (4.2mm)
- Positive locking housings
 Current: up to 9A
- Contact resistance: 10mΩ · Voltage: 600V
- Temperature: -40°C to +150°C
- Housing: 6/6 Nylon Natural



Molex 5566 Series PCB Header Equivalents

Vertical Single Row w/ Pegs & Drain Holes - Tin

	J	•				
Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
364672	39-30-2035₹	1	3	\$.71	\$.466	\$.349
364681	39-30-2045	1	4	89	.55	.412
364699	39-30-2056₹	1	5	1.25	.76	.57

Vertical Dual Row without Pegs without Drain Holes - Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
364939	39-28-1023	2	2	. \$.59	\$.516	\$.387
364947	39-28-1043₹	2	4	77	.68	.504
364955	39-28-1063₹	2	6	. 1.05	.88	.66
364963	39-28-1083₹	2	8	. 1.19	.99	.75
364971	39-28-1103₹	2	10	. 1.39	1.24	.93
364980	39-28-1123₹	2	12	. 1.49	1.29	.96
364998	39-28-1143 	2	14	. 1.89	1.71	1.28
365000	39-28-1163₹	2	16	. 2.09	1.77	1.32
365018	39-28-1183₹	2	18	. 2.39	2.03	1.52
365026	39-28-1203 ₹	2	20	. 2.85	2.42	1.81
365034	39-28-1223≉	2	22	. 1.09	.92	(.69)
365042	39-28-1243 ₹	2	24	. 3.19	2.66	1.99

Vertical Dual Row without Pegs without Drain Holes - Gold

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365051	39-29-0023	2	2	\$.74	\$.58	\$.432
365069	39-29-0043₹	2	4	1.19	1.15	.86
365077	39-29-0063₽	2	6	1.45	1.20	.90
365085	39-29-0103₽	2	8	2.19	2.15	1.61
365093	39-29-0123₹	2	10	2.19	1.86	1.39
365106	39-29-0143 	2	12	3.19	3.15	2.36
365114	39-29-0163 ≉	2	14	3.75	3.71	2.78
365122	39-29-0163₽	2	16	3.25	2.98	2.23
365131	39-29-0183 	2	18	4.69	4.65	3.48
365149	39-29-0203₽	2	20	5.29	5.25	3.93
365157	39-29-0223₹	2	22	5.85	5.83	4.37
365165	39-29-0243	2	24	6 29	5 27	3 95

Quantity SAVE



Molex 5569 Series PCB Header Equivalents

Right Angle Single Row w/ Pegs - Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
364728	39-30-3055₹	3	5	. \$.99	\$.62	\$.46

Right Angle Dual Row w/ Pegs - Tin

•	•		U			
Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365173	39-30-1020₹	4	2	\$.53	\$.514	\$.385
365181	39-30-1040₽	4	4	55	.468	.351
365190	39-30-1060₽	4	6	69	.521	.39
365202	39-30-1080₽	4	8	72	.62	.462
365211	39-30-1100₽	4	10	99	.76	.57
365229	39-30-1120 2	4	12	1.19	.91	.62
365245	39-30-1160≉	4	16	1.55	1.19	.90
365253	39-30-1180≉	4	18	1.39	1.16	.87
365270	39-30-1220₽	4	22	2.15	1.94	1.45
365288	39-30-1240₹	4	24	2.19	1.86	1.40

Right Angle Dual Row w/ Pegs - Gold

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365325	39-30-1021	4	2	\$1.39	\$1.18	\$.88
365333	39-30-1041	4	4	95	.94	.71
365341	39-30-1061	4	6	1.09	.93	.92
365350	39-30-1081	4	8	1.49	1.45	1.08
365368	39-30-1101	4	10	1.55	1.32	1.25
365376	39-30-1121	4	12	2.15	1.82	1.64
365384	39-30-1141	4	14	2.45	2.41	1.80
365392	39-30-1161	4	16	2.85	2.42	2.20
365405	39-30-1181 	4	18	3.25	2.76	2.55
365413	39-30-1201	4	20	2.79	2.54	2.44
365421	39-30-1221 🗷	4	22	4.25	4.22	3.16
365430	39-30-1241 	4	24	4.75	4.73	3.54

Right Angle Dual Row w/ Flanges - Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365448	39-29-1028	5	2	\$.39	\$.348	\$.261
365456	39-29-1048	5	4	49	.435	.326
365464	39-29-1068₽	5	6	62	.527	.395
365472	39-29-1088₹	5	8	81	.68	.51
365481	39-29-1108 	5	10	65	.59	.442
365499	39-29-1128	5	12	1.05	.94	.70
365501	39-29-1148	5	14	1.15	.97	.72
365510	39-29-1168 	5	16	1.55	1.37	1.02
365528	39-29-1188	5	18	1.55	1.19	1.07
365544	39-29-1228	5	22	2.95	2.60	1.95
365552	39-29-1248	5	24	1.99	1.86	(1.39)

Right Angle Dual Row w/ Flanges - Gold

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365561	39-39-5023₹	5	2	\$1.25	\$1.06	\$.80
365579	39-29-5043	5	4	1.39	1.18	.89
365587	39-29-5063₹	5	6	2.25	1.91	1.36
365595	39-29-5083₹	5	8	2.29	1.94	1.45
365608	39-29-5103₹	5	10	1.79	1.70	1.27
365616	39-29-5123₹	5	12	3.05	2.75	2.06
365624	39-29-5143	5	14	3.89	3.30	2.47
365632	39-29-5163₹	5	16	4.69	3.97	2.97
365641	39-29-5183₹	5	18	3.45	3.10	2.32
365659	39-29-5203₹	5	20	3.95	3.35	2.51
365667	39-39-5223₹	5	22	4.45	4.42	3.31
365675	39-29-5243 ≉	5	24	4.75	4.50	3.37



.200" (5.08mm) Pitch PC **Board Connectors**

Bottom Entry

- · Voltage: 250V · Current: 7.0A
- Sizes: 3 to 6 circuits
- Nylon 6/6, UL 94V-2
- Temp. range: -40° to 105°C
- Contact resistance: 8mΩ max. · Dielectric withstand voltage: 1500VAC min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete 0.200" Connector Offering at www.Jameco.com/Prod/Molex200



HCS-125 .330" (8.38mm) Pitch Pin and Socket **Receptacle/Plug Housing**

462504

- · Meets the need for a connector system rated at greater than the industry standard 12A per circuit
- · Enhanced version of 0.125" connectors
- · Positive locks
- · Fully isolated terminals
- Voltage: 600V
- · Current: 20A
- · Dielectric withstanding voltage: 1500VACrms
- Housing: nylon UL94V-2 rated
- Accommodates wires 18-10AWG

Receptacle Housing

Part No.	Product No.	Pos.	1	10	100
462483	03-12-1026♠	2	\$.53	\$.494	\$.447
462491	03-12-1036♠	3	75	.69	.523
462504	03-12-1046♠	4	75	.71	.494

Plug Housing Panel Mount

Part No.	Product No.	Pos.	1	10	100
462521	03-12-2015♠	1	\$1.21	\$1.15	\$.97
462555	03-12-2025♠	2	69	.63	.469
462571	03-12-2035♠	3	1.14	.81	.61
462598	03-12-2045♠	4	43	.411	.391

Plug Housing Free Hanging

Part No.	Product No.	Pos.	1	10	100
462539	03-12-2016♠	1	\$.30	\$.282	\$.212
462563	03-12-2026♠	2	65	.57	.428
462580	03-12-2036♠	3	1.47	1.03	.78
462601	03-12-2046♠	4	75	.71	.523

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at

www.Jameco.com.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Cinch

Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded mono-block, black phenolic
- Contact material: plug brass; socket phosphor bronze
- Operating voltage: 250 VAC RMS maximum
- Hood material: UL 94V-0 rated thermoplastic
- Current rating: 10 amps
- Contact plating: cadmium
- Contact resistance: 16mΩ max.



Plugs with Hood and 90° Clamp

Part No.	Product No.	Contacts	1	25
445819	P-302-CCE 	2	\$2.09	\$1.96
445991	P-315-CCE ◆	15	5.95	5.51
446037	P-318-CCE ◆	18	5.49	5.04

Socket with Hood and 90° Clamp

Part No.	Product No.	Contacts	1	25
427987	S-318-CCE♠	18	\$6.65	\$6.13

Plugs with Locks and 180° Clamp

Part No.	Product No.	Contacts	1	25
445827	P-302-CCT-L 	2	\$4.79	\$4.33
445940	P-306-CCT-L ◆	6	6.45	5.84
446002	P-315-CCT-L ◆	15	7.39	6.67

Plugs with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248760	P-302-CCT	2	\$2.15	\$1.96
248778	P-303-CCT	3	2.39	2.15
248786	P-304-CCT	4	3.09	2.49
248794	P-306-CCT	6	2.89	2.62
445966	P-312-CCT	12	4.69	4.20
445982	P-315-CCT	15	6.45	5.84
446029	P-318-CCT 	18	6.05	5.44
446053	P-321-CCT 	21	9.89	8.93
446070	P-324-CCT 	24	8.95	8.14

Sockets with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248807	S-302-CCT	2	\$2.29	\$2.11
248823	S-304-CCT	4	2.69	2.46
248831	S-306-CCT	6	3.45	3.08
427952	S-315-CCT	15	8.29	7.59
427995	S-321-CCT 	21	10.55	9.65
428007	S-327-CCT ◆	27	9.09	8.39
428242	S-330-CCT 	30	10.49	9.46
428218	S-333-CCT 	33	13.29	12.61

Sockets with Keepers and 180° Clamp

Part No.	Product No.	Contacts	1	25
428015	S-302-CCT-K 	2	\$4.39	\$3.97
428040	S-303-CCT-K 	3	4.95	4.46
428111	S-304-CCT-K 	4	4.59	4.13
428154	S-306-CCT-K 	6	5.05	4.52

Plugs with Angle Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
445771	P-302-AB ♠	2	\$1.55	\$1.38
445843	P-303-AB ♠	3	1.55	1.43
445860	P-304-AB	4	1.79	1.59
445907	P-306-AB	6	2.09	1.99
445974	P-315-AB ◆	15	4.45	4.02

Sockets with Angle Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
428023	S-302-AB ♠	2	\$1.46	\$1.37
428058	S-303-AB 	3	1.39	1.28
428120	S-304-AB	4	1.89	1.76
428171	S-306-AB	6	2.49	2.32

Socket w/ Less Angle Bracket & 180° Clamp

Part No. P	roduct No.	Contacts	1	25
428066 S	5-303-LAB ◆	3	\$.85	\$.77

Plug with Recessed Plate and 180° Clamp

Part No.	Product No.	Contacts	1	25
445798	P-302-RP 	2	\$3.49	\$3.29
<u> </u>				

Socket with Recessed Plate and 180° Clamp

Part No.	Product No.	Contacts	1 25
428082	S-304-RP 	4 \$3.2	5 \$3.00

Plugs with Deep Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
445878	P-304-DB ◆	4	\$4.75	\$4.25
445915	P-306-DB ◆	6	4.95	4.47
446011	P-318-DB ◆	18	5.35	4.87

Sockets with Deep Bracket and 180° Clamp

Part No.	Product No.	Contacts	1	25
428162	S-306-DB 	6	\$4.25	\$3.86
428251	S-318-DB 	18	6.75	6.26
428269	S-327-DB 	27	8.89	8.16

Replacement Drive Pins Series

 With ca clamps 	able and caps	-		448569	
Part No.	Prod. No.	Contacts	Length	1	25
448551	302R 	2	0.687"	\$.68	\$.57
448569	304R ◆	4/6/8/10	0.718"	43	.411

Cinch Jones Plugs and Sockets

Series 2400 Multiple-Density Solder-Eyelet Connectors



444701







- · Current rating: 15A
- Current resistance: 1mΩ max.
- · Operating voltage: 250VACrms
- · Contact plating: cadmium
- · Socket contacts have solder eyelets with 0.093" diameter
- Plug prongs are 0.250" wide and 0.55" thick
- For use in cable-to-cable & cable-to-panel applications
- · Insulation material: molded monoblock, general purpose phenolic, black
- Contact material: plug-brass; socket-phosphor bronze
- · Hood material: formed metal with dielectric liner

Plugs with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	2!
428234	P-2406-CCT	6	\$7.89	\$7.22
428197	P-2408-CCT	8	10.39	9.48
427944	P-2412-CCT 	12	8.75	8.13

Sockets with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
428226	S-2402-CCT 	2	\$7.25	\$6.87
444681	S-2406-CCT	6	8.49	6.50
444699	S-2408-CCT	8	7.39	7.05
444648	S-2410-CCT 	10	9.07	8.24
444672	S-2412-CCT 	12	12.29	11.21

Plugs with Angle Bracket

Part No.	Product No.	Contacts	1	2
428277	P-2406-AB ◆	6	\$8.15	\$7.4

Socket with Angle Bracket

Part No.	Product No.	Contacts	1	25
444701	S-2408-AB	8	\$ ^{8.45} \$7.85	\$5.89

Plug with Deep Bracket

Part No.	Product No.	Contacts	1	25
428091	P-2404-DB ◆	4	. \$4.89	\$4.58

Socket with Shallow Bracket

Part No.	Product No.	Contacts	1	2
444656	S-2412-SB 	12	\$6.49	\$6.00

Plug with Less Angle Bracket

Part No.	Product No.	Contacts	1	25
428189	P-2406-LAB 	6	\$2.95	\$2.70

Socket with Less Angle Bracket

Part No.	Product No.	Contacts	1	25
444904	S-2406-LAB♠	6	\$3.25	\$2.96

We're Listening to Your Requests

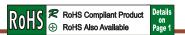
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with suggestions for products you'd like to see in future catalogs.



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78326: AMP50G female 6-pin housing connector • Material: nylon



.098"-Pitch AT Power Connectors for **Motherboards & Power Supplies**

 Voltage rating: 250V AC/DC • Temperature range: -25°C to 85°C

Insulation resistance: 1000MΩ min.

Current rating: 7A AC/DC

· Withstanding volt.: 1500V/min.



78326 * Prenackaged: please order in increments of 10

	78319: AM	P501T terminal pin				ited bras		epackaged:	please orde	er in increm	nents of 10
	Part No.	Description	L	W	Н	Dia	Use With	1	10	100	1000
	78326	6-pin housing connector ⊕	0.94"	0.25"	0.74"	_	78300	\$.35	\$.315	\$.252	\$.189
	78319	Power terminal pin, F?	0.69"	_	_	0.09"	78326	*	.11	.08	.07
ш											



.118"-Pitch ATX Power Connectors for **Motherboards & Power Supplies**



EXCLUSIVE

Voltage rating: 250V AC/DC

Temperature range: -25°C to 85°C

Insulation resistance: 1000MΩ min.

 Current rating: 7A AC/DC · Withstanding volt.: 1500V/min. Quantity SAVE

147387

_Ш

147379: ATX male 20-pin edge mount connector

Material: nylon 66, UL-94VO

 Material of post: tin-plated brass 147387: Housing connector 147395: ATX power terminal pins · Diameter of post: 0.045'

 Material: nylon 66, UL-94VO Material: tin-plated brass

147395

* Prepackaged: please order in increments of 10

Part No.	Description	L	W	Н	Dia	Use With	1	10	100	1000
147379	20-pin male connector ↔	1.7"	0.4"	0.6"	_	_	\$.59	\$.53	\$.48	\$.36
147387	20-pin housing connector ⊕	1.7"	0.4"	0.8"	_	147395	.59	.53	.48	.36
147395	Power terminal pin, F⊕	0.59"		_	0.068"	147387	*	.12	.11	.10

JAMECO ValuePro

Power Connectors and Pins

Connector & Housing Specifications:

Voltage rating: 250VAC (Mate-N-Lock 600VAC)

Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

· Material: tin plated brass · Current rating: 1.5 amps

· Wire size range: 18-24 AWG

Use crimp tool P/N 99443, below

109146 117567 42730 (Male for 42076) 42650 42076 42068 (Female for 42068) (Male) (Female)

For 5.25" Disk Drives and Power Supplies

42076 & 42068 Connector Housings:

· 0.200" pitch · Keyed mating connectors

External ke See below	ey bar indicates pin 1 for extraction tools, P/Ns 131887 & 131879	114931	115000	1	14921	
Blue Part No.	= Limited Quantity Available		 Prepackaged 	l: please orde	r in increme	nts of 10
art No.	Description			10	100	1000
09146	4-pin M vert. PCB mtg₹			\$.65	\$.59	\$.53
17567	4-pin M PCB mounting, horizontal edge mount ⊕ •			85	.72	.65

Part No.	Description	10	100	1000
109146	4-pin M vert. PCB mtg₹	\$.65	\$.59	\$.53
117567	4-pin M PCB mounting, horizontal edge mount ⊕ •	85	.72	.65
42076	4-pin M housing ₹	12	.11	.10
42068	4-pin F housing 🕏	20	.15	.13
42730	M crimp pin for 42076 2		.07	.06
42650	F crimp pin for 42068 🕏	10	.07	.06

For 3.5" Disk Drives and Power Supplies

0 100" nitch

υ.100 μ	IICII		
Part No.	Description 10	100	1000
114931	4-pin F housing₹\$.19	\$.17	\$.15
114921	F crimp pin for 114931 ⊕11	.095	.08
Part No.	Description 1	100	1000
115000	4-pin M rt. angle PCB mounting \$\alpha\$\$.35	\$.31	\$.28



Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

· Heavy-duty metal tool with cutter and insulated handles

See above for crimp pins

 Coiled spring return • Size: 7 3"I x 1 5"\W

JIZC. 7.	3 L X 1.3 VV				
Part No.	Product No.	1	10	25	100
99443	HT202A ≉	\$9.49	\$8.55	\$7.69	\$6.95

· Length: 5" See above for crimp pins 131887: Male tool for 42730

Part No. Product No. 10 HT319C⊕ 131887 \$11.55 \$10.35 HT319B⊕ 131879 9.03

Extraction Tools for Crimp Pins

· Quickly and easily extract .093" locking pins from interlocking connectors 131887

131879: Female tool for 42650

AMPMODU™ Pin & **Receptacle Contacts**

Plating:

A: gold flash over 50µ" nickel entire area, 30µ" gold on contact area:

B: 30µ" gold over 50µ" nickel: C: gold flash over 50µ" nickel entire contact, 15µ" gold on contact area;

D: 15µ" gold in contact area, 100μ" ~ 200μ" bright tin lead, all over 50µ" nickel;

E: preplated 50µ" ~ 150µ" bright tin;

F: 30µ" gold in contact area, 100µ" ~ 200µ" bright tin lead, all over 50µ" nickel

· Material: PB=phosphor bronze; BC=beryllium copper

*Prepackaged: please order in increments of 5

Pin w/ Insulation Support, Crimp Snap-In (MOD IV)

For more AMPMODU Pin & Receptacle Contacts visit www.Jameco.com

736835

NEW

Part No. Product No. Material Plating 736835 102107-2 ₹♠ PB

Standard Pressure Receptacle Contacts (MOD IV)

Part No.	Product No.	Material	Plating	1	5
840616	86016-1 ₹♠	BC	В	*	\$.43
840641	86016-5 ₹♠	BC	C	*	.34
527486	87523-6	PB	E	*	.14
527419	1-87523-6	PB	D	*	.25
987845	87667-1♠	BC	В	75	.65
527507	87667-2	BC	Α	*	.34
841352	87667-5 🕿 ♠	BC	C	*	.29
743082	1-87756-6♠	PB	D	*	.24

Receptacle, Crimp Snap-In (MOD IV)

Part No.	Product No.	Material	Plating	1	5
893831	102316-6♠	PB	D	*	\$.35

Receptacle, Crimp Snap-In (MOD IV 1/2)

Part No.	Product No.	wateriai	Plating	1	5
987079	87046-1♠	BC	C	*	\$.322
840675	87046-3 ₹♠	BC	Α	*	.378
911584	2-87195-1♠	PB	F	*	.24
894016	102548-3♠	BC	C	*	.297
737379	102548-6	≜ BC	Α	*	.378
737707	103171-5♠	PB	F	*	.243

♠ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

42 New Major Brands



Just Added Over 65,000 **New Products**

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Computer & Ribbon Cable Connectors





AMP

AMPMODU™ .100" (2.54mm) Standard Profile Shrouded Headers

- · Housing: UL94V-0, black thermoplastic
- Insulation resistance: $5,000M\Omega$ min. initial
- Dielectric w/standing voltage: 750Vrms @ sea level
- Operating temp.: -65°C to 105°C
- · Current rating: 3A max. per contact
- 0.100" (2.54mm) centers w/ 0.025" square posts, copper alloy

A: Duplex plated, 0.000030 min. gold on contact area,

0.0001~0.0002 min. tin/lead on solder area, w/ entire post underplated 0.000050 min. nickel;

B: Duplex plated, 0.000015 min. gold on contact area,

0.0001~0.0002 min. tin/lead on solder area, w/ entire post underpated 0.000050 min. nickel;

C: 0.000100~0.000200 tin/lead, over 0.000050 nickel on entire post













894622

NEW

Straight w/ Stand-Offs	Single	Row	(MOD	II)
------------------------	--------	-----	------	-----

Juaign	i w/ Stanu-U	ווט, טוו	igic non	(IVIOL	, 11)
Part No.	Product No. (Contacts	Plating	1	10
737889	103414-1♠	3	Α	. \$1.25	\$1.15
841117	3-102202-4♠	3	В	1.16	1.06
759404	8-102202-4	♠ 3	В	1.30	1.04
746902	103080-1♠	3	C	1.22	1.17
737897	103414-2♠	4	Α	1.35	1.24
737176	102202-1♠	4	В	1.28	1.18
752739	5-102202-1	4 4	В	1.34	1.09
737900	103414-3♠	5	Α	2.05	1.76
737184	102202-2♠	5	В	1.69	1.49
894307	103080-3♠	5	C	2.45	1.95
737918	103414-4♠	6	Α	2.09	1.80
737192	102202-3♠	6	В	1.69	1.55
746911	103080-4♠	6	C	1.89	1.64
746718	102202-4♠	7	В	1.95	1.80
746929	103080-5♠	7	C	1.99	1.72
746970	103414-6♠	8	Α	1.95	1.94
737205	102202-5♠	8	В	1.31	1.20
894340	103080-7♠	9	C	3.79	3.05
746988	103414-8♠	10	Α	2.55	2.17
737213	102202-7♠	10	В	2.45	2.07
887959	1-103414-0	12	Α	3.95	3.49
893793	102202-9♠	12	В	3.99	3.25
744931	1-102202-0♠	13		4.25	3.43
744940	1-102202-1♠	14	В	3.05	2.59
744958	1-102202-2♠	15	В	3.39	3.28
744966	1-102202-3♠	16	В	3.29	2.81
744974	1-102202-7♠	20	В	3.89	3.48

Right Angle w/ stand-offs, Single Row (MOD II)

Part No.

737854	103361-1♠	3	A 61.07	
		3	A \$1.27	\$1.15
841141	3-102203-4♠	3	B 1.28	1.16
737862	103361-2♠	4	A 1.69	1.35
737221	102203-1♠	4	B 1.59	1.28
746777	102523-1♠	4	C 1.39	1.12
746937	103361-3♠	5	A 1.99	1.72
737230	102203-2♠	5	B 1.95	1.67
752747	5-102203-2	≥ 5	B 1.85	1.57
737871	103361-4♠	6	A 2.05	1.76
737248	102203-3♠	6	B 1.99	1.72
746945	103361-5♠	7	A 2.25	1.83
746726	102203-4♠	7	B 2.09	1.75
746953	103361-6♠	8	A 2.49	2.12
737256	102203-5♠	8	B 2.29	1.97
746961	103361-8♠	10	A 2.19	2.18
737264	102203-7♠	10	B 3.85	3.08
745133	1-103361-0♠	12	A 4.59	3.72
746734	102203-9♠	12	B 4.39	3.53
744982	1-102203-1♠	14	B 3.19	2.73
744991	1-102203-3♠	16	B 5.39	4.35
745002	1-102203-7♠	20	B 6.4 5	5.20

Product No. Contacts Plating

Straight w/ Detent Windows, 0.066" End

Dim., D	ouble Row	(MOD I	1)		
Part No.	Product No.	Contacts	Plating	1	10
737627	103168-1♠	6	Α	\$1.55	\$1.38
737408	102618-1♠	6	В	1.04	.95
752763	5-102618-1	₹ ♠ 6	В	1.15	1.05
737635	103168-2♠	8	Α	1.65	1.51
737416	102618-2♠	8	В	1.55	1.37
737643	103168-3♠	10	Α	2.25	2.04
752771	5-103168-3	2 10	Α	2.25	2.03
737424	102618-3♠	10	В	1.65	1.47
894673	103168-4♠	12	Α	2.35	2.26
737432	102618-4♠	12	В	. 1.85	1.65
737651	103168-5♠	14	Α	2.65	2.42
737441	102618-5♠	14	В	2.39	2.16
841133	87589-3♠	14	C	2.95	2.70
894711	103168-6♠	16	Α	3.45	3.10
737459	102618-6♠	16	В	2.25	2.04
894753	103168-7♠	18	Α	3.75	3.40
737467	102618-7♠	18	В	4.35	3.92
737660	103168-8♠	20	Α	4.25	3.84
737475	102618-8♠	20	В	3.19	2.90
887852	1-103168-0	♠ 24	Α	4.75	4.32
739711	1-102618-0	♠ 24	В	3.75	3.41
739788	1-103168-1	♠ 26	Α	5.29	4.82
739729	1-102618-1	♠ 26	В	4.15	3.58
987802	87589-9♠	26	C	3.15	2.88
887764	1-102618-3	▲ 30	В	4.55	4.12
739796	1-103168-8	4 0	Α	7.45	6.73
887772	1-102618-8	4 0	В	8.19	7.46
907112	2-103168-3	◆ 50	Α	9.89	8.97

Straight w/ Detent Windows, 0.150" End Dim., Double Row (MOD II)

, _		•	,		
Part No.	Product No.	Contacts	Plating	1	10
894796	103169-1♠	6	Α	\$1.48	\$1.27
894825	103169-2♠	8	Α	1.95	1.76
737678	103169-3♠	10	Α	2.35	2.10
737483	102619-3♠	10	В	1.85	1.70
737686	103169-4♠	12	Α	2.65	2.40
894884	103169-5♠	14	Α	2.99	2.72
737491	102619-5♠	14	В	2.39	2.16
894921	103169-6♠	16	Α	4.35	3.89
737504	102619-6♠	16	В	3.95	3.51
894956	103169-7♠	18	Α	5.65	5.10
737694	103169-8♠	20	Α	3.85	3.48
737512	102619-8♠	20	В	3.19	2.88
739809	1-103169-0	24	Α	5.79	5.30
887781	1-102619-0	24	В	3.75	3.40
887879	1-103169-1	2 6	Α	5.15	4.65
739737	1-102619-1	26	В	3.35	3.58
887895	1-103169-2	28	Α	9.65	8.59
887916	1-103169-5	3 4	Α	9.15	8.33
887799	1-102619-5	3 4	В	7.15	6.46
887932	1-103169-8	4 0	Α	10.35	9.41

Right Angle w/ Detent Window, 0.066" End Dim., Double Row (MOD II)

Part No.	Product No.	Contacts	Plating	1	10
737563	103166-1♠	6	Α	\$1.34	\$1.15
894198	102617-1♠	6	В	1.16	1.12
737571	103166-2♠	8	Α	1.79	1.50
737387	102617-2♠	8	В	1.45	1.22
948483	5-102617-2	\$ 8	В	1.65	1.38
737580	103166-3♠	10	Α	2.49	2.12
894420	103166-4♠	12	Α	2.69	2.33
737598	103166-5♠	14	Α	3.25	2.76
894227	102617-5♠	14	В	3.79	3.05
894462	103166-6♠	16	Α	4.95	4.35
894497	103166-7♠	18	Α	3.95	3.39
737601	103166-8♠	20	Α	4.19	3.60
737395	102617-8♠	20	В	3.45	2.93
987765	87579-7♠	20	C	3.75	3.38
887801	1-103166-0	• 24	Α	7.35	6.59
887730	1-102617-0	• 24	В	4.85	4.18
887810	1-103166-1	• 26	Α	7.45	6.72
887748	1-102617-1	2 6	В	5.85	5.29
887836	1-103166-3	◆ 30	Α	8.75	7.89
887844	1-103166-5	▲ 34	Α	9.79	8.79
739770	1-103166-8	4 0	Α	7.79	6.28
887756	1-102617-8	4 0	В	8.99	7.75

Right Angle w/ Detent Window, 0.150" End Dim., Double Row (MOD II)

Part No.	Product No.	Contacts	Plating	1	10
894551	103167-1♠	8	Α	\$1.69	\$1.65
737619	103167-2♠	10	Α	2.05	2.07
894091	102570-3♠	10	В	1.69	1.65
894163	102570-4♠	12	В	2.25	1.92
894593	103167-4♠	14	Α	4.65	3.74
894622	103167-7♠	20	Α	3.59	3.28
887721	1-102570-1	26	В	4.35	3.75

Lowest Price Guarantee



Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!



This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

840819

AMP

AMPMODU™ .100" (2.54mm) Receptacles

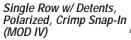
NEW

496165

Single Row, Non-Polarized, Crimp Snap-In (MOD IV)

· Black thermoplastic, flame retardant

Part No.	Product No.	Pos.	Width (in.)	1	10
757345	7-87499-2 🗷	• 1	0.105	. \$.25	\$.233
526871	87499-3	2	0.205	99	.95
759711	87499-4 🏞 🛊	2	0.205	40	.371
526889	87499-5	3	0.305\$	64.58	.466
526897	87499-7	4	0.405	55	.52
526900	87499-9♠	5	0.505	42	.378
743031	1-87499-1 🗷	♠ 6	0.605	50	.466
987642	87499-1 🗷 🛊	7	0.705	77	.72
526918	1-87499-3	8	0.805	51	.51
893419	1-87499-5 🗷	♠ 9	0.905	74	.72
743040	1-87499-7 🕿	♠ 10	1.005	66	.60



Glass filled nylon, flame retardant



Double Row, Non-Polarized, Crimp Snap-In, Short Entry (MOD IV)

· Glass filled nylon, flame retardant



Double Row w/ Detents & Strain Relief, Polarized (MOD IV)

· Black thermoplastic, flame retardant

Part No.	Product No.	Pos.	Width (in.)	1	10
841387	87922-1 🗷 🏚	10	0.500	\$1.95	\$1.92
987992	87922-4 🕿 🛦	16	0.800	3.29	2.99
988039	87922-5 🏞 🛊	18	0.900	5.25	4.82
987870	87733-1 ₹♠	20	1.000	3.79	3.39

841387

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

Double Row w/ Detents, Polarized, Crimp Snap-In (MOD IV)

Glass filled nylon, flame retardant

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pos.	Width (in.)	1	1
841168	87631-1 🗷 🏚	6	0.300	\$.78	\$.7
841184	87631-2 🕿 🛦	6	0.300	1.00	.9
841221	87631-3 🗷 🏚	8	0.400	1.35	1.1
841248	87631-4 🗷 🏚	8	0.400	1.23	1.0
841272	87631-5 🕿 🏚	10	0.500	1.35	1.2
526862	87631-6 0	10	0.500	1.29	1.0
841299	87631-7 🕿 🏚	12	0.600	1.45	1.3
841328	87631-8 ₹♠	12	0.600	1.44	1.3
759738	87631-9 🕿 🏚	14	0.700	1.55	1.3
743058	1-87631-0 🗷	♠ 14	0.700	1.47	1.3
746582	1-87631-1 🗷	▲ 16	0.800	1.75	1.5
743066	1-87631-2 🗷	♠ 16	0.800	1.65	1.5
746591	1-87631-5 🕿	♠ 20	1.000	1.85	1.6
743074	1-87631-6 🗷	♠ 20	1.000	1.75	1.5
746603	1-87631-9 🗷	♠ 24	1.200	2.05	1.7
749610	2-87631-0 🗷	♠ 24	1.200	2.55	2.2
749628	2-87631-1 🗷	♠ 26	1.300	2.45	2.1
838701	2-87631-2 🗷	♠ 26	1.300	2.29	1.9
911761	2-87631-4 🗷	♠ 28	1.400	2.74	2.6
749636	2-87631-6 🗷	♠ 30	1.500	1.95	1.8
749644	2-87631-9 🗷	♠ 34	1.700	2.95	2.7
841803	3-87631-6 🗷	4 40	2.000	2.45	2.3
950508	5-87631-2 🗷	♠ 60	3.000	4.95	4.3

Double Row, Center Polarized, Crimp Snap-In (MOD IV)

· Black thermoplastic, flame retardant

Part No.	Product No.	Pos.	Width (in.)	1	10
496309	102387-1	10	0.680	. \$1.16	\$.95
496157	102387-2♠	14		96	1.18
496165	102387-3	16	0.980 \$1.	⁹⁹ 1.55	1.45
496173	102387-4♠	20	1.180	1.65	1.62
496181	102387-6♠	26	1.480		1.90
496190	102387-8♠	34	1.880 \$3.	¹⁵ 2.25	1.85
496202	102387-9♠	40	2.180	2.59	2.39
745053	1-102387-3 🗷	♦ 44	2.380	3.65	3.40
496211	1-102387-0♠	50	2.680	2.37	2.79
739673	1-102387-1	♠ 60	3.180	4.05	3.68
739681	1-102387-2 🗷	♠ 64	3.380	4.45	3.59

Keying Plugs

840721:

Plugs directly into housing 526926: Plugs into standard or intermediate pressure receptacle contacts

526926

840721

· Prepackaged: please order in increments of 10

Part No.	Product No. 10	100
840721	87077-2 ₹ ♠\$. 116	\$.09
526926	86286-1	.14

Crimping Tools see page 292



AMPMODU™ Locking Clip Contact and Housings



 Mates with 0.025" (0.64mm) square posts · Contact current: 3A

· Design permits end-to-end stacking

94V-0 rated glass-filled polyester housing

 Termination resistance: 12mΩ max (gold); $16m\Omega$ max. (tin) NEW

Single Row

Part No.	Product No.	Positions	1	10	100
759658	87175-2 ₹ ♠	1	\$.79	\$.73	\$.68
840780	87175-6 🕿 🛦	2	69	.64	.63
840819	87175-8 🗷 🛧	3	1.13	1.03	.76
742961	1-87175-0 🗷	4	95	.82	.77
742979	1-87175-2 🗷	♦ 5	98	.85	.78
746566	1-87175-4 🗷	♠ 6	1.69	1.54	1.42

Locking Clip Contact

· Plating: 30µ" gold in contact area, gold flash on remainder,

over 50µ° nickei			OF THE REAL PROPERTY.		
Part No.	Product No.	AWG	1	10	100
840755	87165-1 ₹♠	26-22	\$.41	\$.38	\$.35

.100" Non-Polarized Connector **Housings & Crimp Pins**

103191

103254

100766

145358

Mates with 0.025" square post on pattern of 0.100" centers (male headers, see pg 126)

Current rating: 1A Housing material: plastic

· Pin material: brass/tin plated Pin wire gauge: 26-22 AWG

Temperature rating: -55°C to +105°C

 Use 159266 pin crimper, pg 292 and 100766 crimp pin, below

Blue Part No. = Limited Quantity Available

Single Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
100812	SCH2 🕿	2\$.	26	\$.23	\$.21	\$.17
157383	SCH3 ₹	3	27	.24	.22	.18
100803	SCH4 ₹	4	28	.25	.23	.19
163686	SCH5⊕	5	30	.27	.25	.22
103211	SCH6⊕	6	34	.31	.27	.21
103202	SCH8 ⊕⊙	8	39	.35	.29	.25
103191	SCH10 🕿	10	42	.39	.36	.31
103182	SCH20 🕿	20	49	.45	.39	.35
103158	SCH36 ₹	36	49	.45	.39	.35

Double Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
103254	DCH8 🕿	8\$.59	\$.53	\$.45	\$.39
157420	DCH10⊕¢	3 10	.69	.62	.55	.49
157438	DCH14⊕	14	.73	.71	.69	.59
103238	DCH16 🗷	16	.79	.71	.64	.58
103230	DCH20 🕿	20	.99	.89	.79	.69
157462	DCH40⊕	40 1	.09	.99	.89	.75
157471	DCH50⊕	50	.65	.59	.53	.48

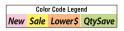
Crimp Pins for Single/Double Row Housings

· Prepackaged: please order in increments of 10

Part No.	Cross Ref.	Contacts 10	100	1000
100766		Fem. pin \$.14	\$.11	\$.07
145358	MCH1 ₹	Male pin	.135	.12

RoHS Compliant Product RoHS Also Available





.100" Low Profile Keyed **Shrouded Header & Connector**

CD-ROM 4-Pin Headers and Connector







- Voltage rating: 250V AC/DC
- **Quantity SAVE** · Current rating: 3A AC/DC
- Insulation resistance: $1000M\Omega$ min.
- · Connector material: PBT, 30% glass · Header material: PBT + 30% glass
- Withstanding voltage: 1000V AC/ 1 minute
- · Pin material: tin-plated brass
- · Recommend crimp tool P/N 99443, pg 292
- *Prepackaged: please order in increments of 10

Part No.	Description 1	10	100	1000		
152741	Straight header ⊕ \$.45	\$.39	\$.35	\$.29		
152726	Rt. angle header 255		.40	.30		
152733	Single w/ latch⊕ [†] 35	.292	.24	.18		
181673	Female pins ⊕ *	.11	.08	.06		
† P/N 152733 requires 4 pins (P/N 181673)						



.100" Low-Profile Male **Shrouded Headers**

- Rating: 1A (max.) @ 250VDC
- Contact resistance:
- 15m Ω max.
- Features: UL recognized, CSA certified; 0.025" square post mates with sockets



Straight Male Headers

Part No.	Description	1	10	100	1000
67812	10-pin ≉	\$.39	\$.35	\$.32	\$.28
68179	16-pin⊕	44	.40	.35	.32
68292	20-pin ≉	49	.47	.39	.23
68372	26-pin ≉	54	.42	.35	.21
68582	34-pin⊕		.65	.46	.31
181105	40-pin ≉		.60	.45	.315
101103	40-biil		.00	.43	.313

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



68179

Part No.	Prod. No.	Description W	t. (lbs.)	1	10
27174	M505⊕	Bench press	7.0 \$179	.95	\$159.95

M505	Accessories
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

27182	M507⊕ Cable cutter	0.9 \$66.95	\$61.95
27203	M510⊕ Base plate	0.5 26.49	24.95

AMP Pistol Hand Grip Tool

- Use with AMPMODU
- **IDC Connectors** Manual tool

Part No.	Product No.	1	10
526643	465644-1 ★ \$12.3	9	\$11.76

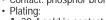
◆ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

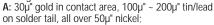
.100" AMPLATCH™ **Ribbon Cable Connectors**

496085

Low-Profile Shrouded Headers w/ 0.150" End Dimension, Dual Row, 0.100" Centers

- · 0.120" solder tail
- 0.025" square posts
- · Housing: black
- thermoplastic, UL94V-0 rated
- Contact: phosphor bronze





B: 30µ" gold on mating area, 100µ" min. tin on solder end, all over 50µ" nickel;

C: 15μ " gold in contact area, 100μ " ~ 200μ " tin/lead on solder tail, all over 50µ" nickel;

D: 15µ" min. gold on mating area, 100µ" min. tin on solder end, all over 50µ" on entire post

Straight

Part No.	Product No.	Pos.	Plating	1	10	100
496051	103309-1	10	Α	. \$.59	\$.57	\$.55
753563	5103309-1	1 0	В	55	.51	.47
496042	103308-1♠	10	C	69	.63	.59
850216	5103308-1	1 0	D	65	.61	.56
737715	103309-2♠	14	Α	89	.84	.78
753571	5103309-2	• 14	В	85	.77	.74
496069	103308-2♠	14	C	63	.85	.79
850241	5103308-2	• 14	D	. 1.25	1.15	1.09
496077	103309-3♠	16	Α	. 1.99	1.89	1.79
753580	5103309-3	• 16	В	. 1.39	1.15	.99
496149	103308-3♠	16	С	85	.79	.68
850241	5103308-3 	• 16	D	. 1.25	1.15	1.09
496093	103309-5♠	20	Α	. 1.39	1.29	1.09
753598	5103309-5	♠ 20	В	. 1.39	1.25	1.19
496085	103308-5	20	C	. 1.15	1.05	.92
753539	5103308-5 	♠ 20	D	. 1.69	1.54	1.45
745125	1-103308-3♠	24	C	2.19	1.97	1.81
496106	103309-6♠	26	Α	. 1.65	1.29	1.15
753601	5103309-6	◆ 26	В	. 1.65	1.48	1.39
496296	103308-6	26	C	. 1.49	1.39	1.35
850275	5103308-6 	◆ 26	D	. 1.45	1.15	.99
737723	103309-7♠	34	Α	. 1.99	1.49	1.35
496034	103308-7♠	34	C	. 1.79	1.65	1.39
753547	5103308-7 2	♠ 34	D	. 1.85	1.49	1.35
737731	103309-8♠	40	Α	2.09	1.89	1.82
496114	103308-8	40	С	. 1.79	1.65	1.39
753555	5103308-8	4 40	D	. 1.45	1.32	1.25
739825	1-103309-0♠	50	Α	2.65	2.27	2.26
739817	1-103308-0♠	50	C	. 1.99	1.79	1.53

Right Angle

9	9					
Part No.	Product No.	Pos.	Plating	1	10	100
496131	103310-1♠	10	С	\$.55	\$.53	\$.51
753619	5103310-1	1 0	D	89	.74	.65
737791	103311-1♠	10	Α	65	.62	.61
753635	5103311-1	1 0	В	65	.59	.57
737740	103310-2♠	14	С	89	.81	.75
753627	5103310-2	• 14	D	1.19	.95	.86
737803	103311-2♠	14	Α	2.75	2.49	2.38
737758	103310-3♠	16	С	62	.60	.60
951332	5103310-3	1 6 ♦	D	99	.79	.69
737811	103311-3♠	16	Α	1.05	.95	.89
737766	103310-5♠	20	С	1.09	.99	.97
951375	5103310-5 	2 0	D	1.09	.99	.90
737820	103311-5♠	20	Α	1.59	1.42	1.34
737774	103310-6♠	26	С	1.29	1.19	1.09
737838	103311-6♠	26	Α	. 2.15	1.59	1.47
895035	103310-7♠	34	С	. 3.99	3.89	3.79
737782	103310-8♠	40	С	4.55	4.19	3.49
737846	103311-8♠	40	Α	. 2.89	2.59	2.45
739833	1-103310-0♠	50	С	. 2.65	2.39	2.05

ValuePro

.100" & 2mm IDC Socket Connectors

Double Row

· Mates with 2 rows of .025" Sq. or Dia. posts on patterns of .100" centers (male headers, see below)



Current rating: 1A

- Industry standard IDC socket (plastic)
- Temperature rating: -55°C to +105°C
- Use crimper P/N 73252, pg 143

Blue Part No. = Limited Quantity Available

EXCLUSIVE

Quantity SAVE

Polarized IDC Socket Connectors

	Cross					
Part No.	Ref. No.	Contacts	1	10	100	1000
32492	S102	10	\$.29	\$.25	\$.19	\$.15
153947	S14 ⊕o	14	32	.27	.21	.16
119467	S16 2	16	35	.29	.22	.17
32521	S20 ⊕	20	39	.32	.25	.18
32563	S26⊕	26	45	.35	.29	.19
32644	S34 2	34	49	.39	.35	.25
32678	S40⊕	40	55	.45	.39	.29
100386	IDC440⊕	* 44 (2mm)	.99	.89	.71	.53
32707	S50 ⊕ ○	50	65	.55	.45	.35
32759	S60 ≉	60	75	.68	.61	.50
+						

*2mm pin spacing

Non-Polarized IDC Socket Connectors

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
138376	SN10⊕	10 \$	35	\$.32	\$.28	\$.24
138325	SN20⊕	20	45	.405	.324	.243
138333	SN26⊕	26	39	.35	.32	.24
138341	SN34⊕	34	45	.405	.324	.243
138350	SN40⊕	40	45	.405	.324	.243
138368	SN50⊕	50	65	.59	.514	.385

.100" (2.5mm) Straight **Male Headers** 71829

With Standard Latch **Double Row**

· 0.1" contact center Mount vertical

· Keying slot Use with IDC

socket connectors, above





Part No. Description 117664 10-pin**₹** \$1.29 \$1.16 \$.61 71829 20-pin⊕ 1.39 1.25 .95 71933 26-pin⊕ 1.49 1.25 .99 .89 72216 50-pin**₹** 1.85 1.65 1.49 1.35

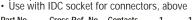
Other Manufacturers — Great Deals						
687720	14-pin \$1.31	\$1.17	\$1.03	\$.94		
687711	40-pin 1.59	1.39	1.09	.91		

.100" IDC Plug Connectors

29217

Double Row

- Plastic • 0.100" x 0.100" grid
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze



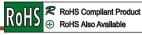
Part No.	Cross Ref. No.	Contacts	1	10	100
29188	P40⊕	40 9	\$1.95	\$1.75	\$1.49
29217	P50 ⊕	50	1.95	1.66	1.25

🗷 RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Quantity SAVE





Gold plated contacts • 0.1" contact center

.100" (2.54mm) Female **Header Receptacles**

Right Angle Mount Quantity SAVE (Side Entry)

Part No.	Contacts	Туре	1	10	100	500
71160	20 🗷	Double row	\$1.25	\$1.10	\$.99	\$.85
1/amtica	1.1.1				-	

Vertical (Top En	Mount try)		Ţ.,			
Part No.	Contacts	Туре	1	10	100	500
70755	8 🕿	Single row	\$.59	\$.53	\$.43	\$.35
200782	12⊕	Single row	77	.68	.374	.328
308592	16 ≈	Single row	58	.48	.31	.243
308567	202	Single row	69	.57	.37	.289
70720	16⊕	Double row	89	.79	.72	.65
70827	202	Double row	99	89	71	53

Other Manufacturers — Great Deals							
111705	40 %	Double (Tin) 1.29	1.15	.99	.89		
105056	30 ↔	Double row 1.09	.98	.88	.74		

Double row ... \$.99 \$.89 \$.80 \$.67

.94 .85

IDC Connector Crimping Tool

Double row ... 1.05

- · Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)

30

- · Cushioned red handles
- · Size: 9.2"L x 3.0"W
- · Weight: 1.1 lbs.

454539

163862

Part No. Product No 10 \$15.95 HT214₹ \$14.39 \$12.95

Insertion Tool

· For use with Universal Mate-N-Lok II Terminals



Extraction Tools



421411: Use w/ mini universal Mate-N-Lok contacts 526660: Use with miniature rectangular connectors

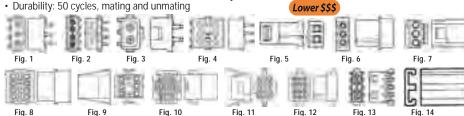
Part No.	Product No. 1	10
421411		
526660	455822-2\$1 ^{9.99} 18.79	17.07



Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

AMP Commercial MATE-N-LOK™ Connectors & Terminals

- · Fully polarized nylon housing
- Voltage rating: 350VAC or VDC
- · UL94V-2 rated housing • Dielectric withstanding voltage: 1.5KVAC between adjacent circuits
- · Hot side egg crate design for safety • Insulation resistance: $500M\Omega$ min. initial between adjacent circuits



PCB In-Li	ne Vert. Pin	Header w/	'Deteni	Lock ((Fig. 1)
Part No.	Product No.	Positions	1	10	100
421340	350209-1 ♠	2	. \$.41	\$.36	\$.32
679607	350210-1	3	56	.54	.523

4 1.03

.59

.98

.534

* Prepackaged: please order in increments of 10

350211-1 ♠

350543-1₹

421358

679615

679674	350214-1	16	95	.90	.86	
PCB In-Line Vert. Socket Header w/ Detent (Fig. 2)						
Part No.	Product No.	Positions	1	25	50	
679682	770997-1	4	\$.96	\$.91	\$.87	

PCB In-Line Vert. Pin Header w/ Positive Lock (Fig. 3)						
Part No.	Product No.	Positions	1	25	50	
679586	350539-1	2	. \$.46	\$.44	\$.418	
679594	350541-1	3	. 1.22	1.16	1.12	

PCB Dual Row Vertical Pin Header w/ Positive Lock (Fig. 4)

Part No.	Product No.	Positions	1	25	50
679623	350425-1	6 (2 x 3	\$1.65	\$1.47	\$1.31
679631	350212-1	8 (2 x 4)	89	.83	.77
679640	1-380991-0	? 10 (2 x 5) .	. 2.15	2.04	1.95
679658	350213-1	12 (2 x 6) .	. 2.25	2.16	2.07
679666	350214-1	16 (2 x 8) .	. 2.85	2.73	2.60

In-Line Housing Plug, Free Hanging (Fig. 5)

Part No.	Product No.	Positions	1	10	100
527013	1-480349-0 🛊	1\$.20	\$.098	\$.078
527056	1-480318-0 뢒	2	.21	.116	.102
527099	1-480303-0 🛊	3	.22	.204	.172
527101	1-480424-0 뢒	4	.22	.207	.193
679383	770827-1🗷	4	.35	.332	.314
527056 527099 527101	1-480318-0 ★ 1-480303-0 ★ 1-480424-0 ★	2 3 4	.21 .22 .22	.116 .204 .207	.102 .172 .193

In-Line Housing Cap, Free Hanging (Fig. 6)

Part No.	Product No.	Positions	1	10	100
679308	1-480350-0	1	. \$.20	\$.139	\$.098
679316	1-480351-0 	1	20	.10	.09
527187	1-480319-0 뢒	2	*	.133	.10
679324	1-480305-0	3	21	.207	.19
527195	1-480426-0 🟚	4	26	.239	.217

In-Line Housing Plug, Free Hanging w/ Positive Lock (Fig. 7)

Part No.	Product No.	Positions	1	10	100
527064	1-480720-2 🛊	2	\$.47	\$.42	\$.317
679367	1-480721-0	3	.73	.71	.70
527110	1-480425-0 🛊	4	.45	.402	.329
679375	1-480722-0🗷	4	.90	.85	.81

Dual Row Housing Cap w/ Positive Lock (Fig. 8)

Part No. Product No. Positions I	25	50
679332 1-480340-0 ₹ 6 (2 x 3) \$.63	\$.62	\$.56
679341 1-480345-0 ₹ 8 (2 x 4) 65	.63	.61
679359 1-480339-0 ₹ 10 (2 x 5) 85	.82	.75

Motor Mount, Dual Row Plug w/ Positive Lock (Fig. 9)

Part No.	Product No.	Positions	1	25	50
527144	1-480270-0 🛊	6 (2 x 3) .	. \$.53	\$.484	\$.365
679391	1-480283-0	8 (2 x 3) .	43	.41	.39
679404	1-480285-0	10 (2 x 5)	85	.81	.77
679412	1-480287-0	12 (2 x 6)	1.12	1.04	1.02
679421	1-480438-0	16 (2 x 8)	1.55	1.47	1.39

Motor Mount, Dual Row Cap w/ Positive Lock (Fig. 10)

Part No.	Product No.	Positions	1	25	50
679527	1-480271-0	6 (2 x 3)	. \$.75	\$.69	\$.66
679535	1-480284-0	8 (2 x 4)	. 1.16	1.10	1.06
679543	1-480286-0	10 (2 x 5)	1.59	1.49	1.25
679551	1-480288-0	12 (2 x 6)	1.59	1.46	1.39
679560	1-480439-0	16 (2 x 8)	1.16	1.10	1.06

Panel Mount Housing Plug w/ Positive Lock (Fig. 11)

Part No.	Product No.	Positions	1	25	50
679471	1-480304-0	3 (1 x 3) .	\$.23	\$.225	\$.219
679480	1-480273-0	6 (3 x 2) .	70	.67	.65
679498	1-480274-0	9 (3 x 3) .	77	.73	.71
679501	1-480275-0	12 (3 x 4)	91	.88	.85
679519	1-480323-0	15 (3 x 5)	1.49	1.41	1.35

Panel Mount Housing Cap w/ Positive Lock (Fig. 12)

Part No.	Product No.	Positions	1	25	50
679439	1-480276-0	6 (3 x 2) .	\$.40	\$.38	\$.371
679447	1-480277-0	9 (3 x 3) .	71	.68	.66
679455	1-480278-0	1 2 (3 x 4)	78	.77	.76
679463	1-480324-0	₹ 15 (3 x 5)	1.32	1.25	1.20
1, ,,		/=·\			

Vertical In-Line IDC (Fig. 13)

Part No.	Product No.	Positions	1	25	50
679691	770156-4 2	4 (20AWG)	\$.55	\$.53	\$.51
679703	770156-3🕿	4 (18AWG)	55	.53	.51

IDC Dust Covers (Fig. 14)

Part No.	Product No.	Positions	1	25	50
679711	770232-1	4 (Feed-to)	\$.20	\$.169	\$.161
679720	770233-1	4 (Feed-thru)	.20	.169	.160

Crimp Terminals

· Material: A-brass pre-tin; B-brass, gold · Prepackaged: please order in increments of 10

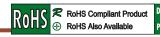
Part No.	Product No.	Туре	AWG	Material	10	100
526150	60617-1♠	Socket	24-18	Α\$.093	\$.084
526133	60618-1♠	Pin	24-18	Α	.102	.093
679578	60618-5 ≈	Pin	24-18	В	.83	.81
526168	60619-1♠	Socket	20-14	Α	.086	.076
526125	60620-1♠	Pin	20-14	Α	.091	.083

• 5000 pc. reel

Part No.	Product No.	Туре	AWG	Material	Price
526141	61117-1♠	Socket	20-14	Α	\$.022
526117	61118-1♠	Pin	20-14	Α	

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

For more AMPLATCH™ IDC Ribbon Connectors visit www.Jameco.com





423003

AMP

.100" AMPLATCH™ IDC Ribbon Connectors

NOVO Receptacles

• 0.100" x 0.100" (2.54mm) grid center

 Preassembled housing with cover

• 0.100" grid pitch

 Insulation displacement contacts for fast, economical mass terminations



 Accepts 28-26AWG solid or stranded cables

· Contact current rating: 1A continuous

 Dielectric withstanding voltage: 1000Vrms (receptacles); 500Vrms (pin connectors)

· Housing, cover, & strain relief: 94V-0 rated thermoplastic, black

· Contacts: phosphor bronze, duplex plating

Contact plating:

A: 30µ" gold on localized gold plate area, 50µ" min. tin on termination end;

B: 15μ" gold on localized gold plate area, 100μ"~200μ" tin on termination end:

C: 15µ" gold on localized gold plate area, 100µ"~200µ" tin lead termination end, all over 50µ" min. nickel on entire area:

D: 15μ" gold on localized gold plate area, 100μ"~200μ" bright tin lead on termination end, all over 50µ" nickel on entire contact area;

E: 30μ" gold on localized gold plate area, 100μ"~200μ" bright tin lead on termination end, all over 50µ" nickel on entire contact area

Polarized

Part No.	Product No.	Pos.	Plating	1	10	100
849354	499997-1♠	10	D	\$.70	\$.66	\$.65
901263	1658620-1 🗷 🕏	10	В	1.19	.95	.85
901845	1658623-1 🗷 🕏	10	Α	1.09	.76	.75
524058	499997-2♠	14	D	99	.89	.85
901301	1658620-22	14	В	99	.89	.88
901888	1658623-22	14	Α	1.75	1.49	1.25
524066	499997-3♠	16	D	1.05	.95	.89
901925	1658623-32	16	Α	1.55	1.09	1.03
524074	499997-4♠	20	D	1.09	1.05	.95
901343	1658620-42	20	В	1.75	1.49	1.25
901968	1658623-42	20	Α	1.59	1.15	1.09
525456	746290-6♠	26	E		1.63	1.39
525376	1-746288-0	50	E\$4.	¹⁵ 2.85	2.52	2.19

Center and Military Polarized

ocinci a	na minay	10	iaiizcu			
Part No.	Product No.	Pos.	Plating	1	10	100
901642	1658622-1≉ ♠	10		\$1.45	\$.93	\$.82
525309	746285-1	10	C\$1.	³⁹ 1.29	1.19	1.09
742215	1658621-1♠	10		99	.84	.76
525384	746288-2♠	14	E\$1.	⁷⁹ 1.65	1.15	1.05
901685	1658622-2	14	Α		1.23	1.07
525317	746285-2	14	C\$1.	⁹⁵ 1.69	1.47	1.36
901407	1658621-2₹ ♠	14	В	1.55	1.15	1.04
525392	746288-3♠	16	E	1.34	1.24	1.19
901722	1658621-3≉ ♠	16		1.99	1.29	1.13
525325	746285-3	16	C\$2.	¹⁵ 1.31	1.25	1.21
901440	1658621-3≉ ♠	16	В	2.79	1.35	1.18
525405	746288-4♠	20	E	1.27	1.23	1.17
901765	1658622-4 🗷 🏚	20	Α	2.09	1.35	1.18
525333	746285-4	20	C	1.20	1.15	1.11
901482	1658621-4≉ ♠	20		1.45	1.19	1.05
525413	746288-6	26	E\$1.	⁸⁹ 1.39	1.29	1.09
901802	1658622-6≉ ♠	26	Α	1.49	1.24	1.19
525341	746285-6	26	C	1.99	1.89	1.79
901520	1658621-6₹♠	26	В	2.35	1.49	1.33

Center and Military Polarized (Continued)

Part No.	Product No.	Pos.		1	10	100
525421	746288-8♠	34	E \$2.1	⁹ \$1.79	\$1.65	\$1.39
748801	1658622-8♠	34		3.99	1.93	1.68
525350	746285-8	34	C\$2.	⁵⁹ 1.65	1.49	1.39
901562	1658621-8	34	В	1.99	1.69	1.45
525430	746288-9♠	40		2.35	2.15	1.99
525368	746285-9	40	C\$2.	⁰⁵ 1.75	1.62	1.49
901600	1658621-9	40	В	3.89	1.85	1.59
525376	1-746288-0	50	E	2.85	2.52	2.19
888353	1-1658621-0	50	В	4.69	2.29	1.99



Strain Relief for NOVO Receptacles

UL94V-0 rated thermoplastic • Black

Part No.	Product No.	Pos.	1	10	100
526045	499252-5	10	\$.20	\$.17	\$.15
526053	499252-9♠	14	20	.131	.127
526061	499252-8♠	16	20	.18	.15
527697	499252-2♠	20	20	.156	.142
527700	499252-3♠	26	20	.149	.132
526070	499252-6♠	34	21	.19	.16
526088	499252-4♠	50	25	.19	.18
527726	1-499252-3♠	64	32	.275	.242

Low Profile PCB Right Angle Shrouded Headers

- · 94V-0 rated glass reinforced thermoplastic, blue
- Contacts: phosphor bronze, 30µ" gold plated
- over 50µ" nickel plating
- 0.150" end dimension
- · Double row 0.100" (2.54mm) grid center

Part No.	Product No.	Pos.	1	10	100
620074	609-1007♠	10	\$2.59	\$2.45	\$2.29
620111	609-2027♠	20	4.45	3.16	2.72

Receptacles, Tulip Design, Center and Military Polarized w/ Strain Relief

- 0.100" (2.54mm) centers
- · Housing and strain relief: 94V-0 rated glass reinforced thermoplastic, blue
- Contacts: beryllium copper, 30μ" gold over 50μ" nickel
- Tin/lead over nickel in termination area

Part No.	Product No.	Pos.	1	10	100
620146	609-2641♠	26	. \$4.95	\$4.68	\$3.25
620082	609-1041♠	10	2.79	2.64	2.15

Ribbon Cable Assemblies

- Metal connector 300V rating

- Tin-plated contacts



100 12407 4' DB25 M-F \$4.49 \$3.95 \$3.59 208582 6' DB9 M-F**?** 3.95 3.55 3.19

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🗷 RoHS compliant product 🔀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Cinch

High Reliability Edge Connector

.156" (3.96mm) Density Solder Eyelet

- · Current rating: 5A
- · Solder eyelet, single readout or double readout on 0.200' (5.08mm) row spacing
- Patented bifurcated bellows
- contacts for added contact reliability 0.128" (3.25mm) mounting hole
- · Insulation material: Diallyl phthalate, green
- Contact material: phosphor bronze
- Contact plating: 30μ" selective gold over 50μ"
- copper in contact areas, 5µ" gold on tails Withstanding voltage: 1800VACrms
- Contact resistance: 10mΩ max.
- Insulation resistance: $5000M\Omega$ min.

Part No.	Prod. No.	Positions 1	25	50
423003	50-30H-30 ♠	15/30 \$8.15	\$6.08	\$5.70
423054	50-44H-30 ♠	22/44 9.59	8.70	7.98

CARDCON™ Commercial Cinch **Edge Connector**

423231

- · DIP solder tails on 0.200" (5.08mm) row centers double readout · Bifurcated semi-
- bellows contacts for added contact reliability
- 0.128" (3.25mm) mounting holes
- Insulation material: UL94V-0 rated glass filled polyester, black
- Contact material: spring, brass
- Standard contact plating: 10µ" selective gold over nickel, 50µ" nickel in contact area, tin on tails

.100" (2.54mm) Density DIP Solder

- · Withstanding voltage: 650VACrms
- · Current rating: 3A
- Contact resistance: 10mΩ max.
- Insulation resistance: 5000MΩ min

Part No.	Prod. No.	Positions 1	25	50
423231	50-22SN-11 ♠	22/44 \$1.75	\$1.65	\$1.60
423353	50-50SN-11♠	50/100 3.89	3.66	3.43

.156" (3.96mm) Density DIP Solder

- · Withstanding voltage: 1800VACrms
- Current rating: 5A Contact resistance: 6mΩ max.
- Insulation resistance: $5000M\Omega$ min

Part No.	Prod. No.	Positions	1	25	50
423100	50-20SN-1 ♠	10/20	\$1.59	\$1.51	\$1.41
423214	50-36SN-1 	18/36	2.89	2.74	2.27
423257	50-44SN-1 	22/44	4.45	3.88	3.23
423329	50-50SN-1♠	25/50	2.99	2.79	2.62

Card-Edge Connectors

· Fits all PC boards

0.054" to 0.070" thick



Solder Eyelet 0.140" Spacing Between Rows

• Contact centers: 0.156" • With mounting ears

Part No.	Position	Contacts 1	10	100
39117	22/44🏿	Gold \$2.95	\$2.65	\$2.38

Solder Tail 0.200" Spacing Between Rows

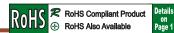
Contact centers: 0.100"

Without mounting ears



Part No Position 40695 Tin (PC/AT) .. \$.93 31/62 \$.82





457924

.085" (2.16mm) Density Cinch Miniature Ribbon Connectors

Solder Cup, Metal Shell

- · Terminates discrete wires with ultra-low resistance solder connections
- Metal shell provides grounding and shielding capability
- All plugs lock with INSTALATCH passive latch features for automatic latching
- Insulator: blue UL94V-0 rated diallyl phthalate type MDG
- Contact: copper alloy
 Shell: steel
 Contact plating: select gold over 50µ" select nickel (standard); 30µ" select gold over 50µ" select nickel
- · Shell plating: zinc w/ chromate coating
- Voltage rating: 500VAC/125VAC
- · Withstanding voltage: 1200VACrms
- Contact resistance: $6m\Omega$ Contact rating: 5A
- Insulation resistance: 5000MΩ min. initial

457836: Plug, high barrier with dust cover

457844: Socket, high barrier with dust cover, low profile hood

457828: Socket, high barrier with dust cover, high profile hood

457916: Socket, vertical mount solder tail 0.110", float mounts

457924: Socket, bail latch, 0.116" hole

Standard 90° Orientation, Commercial End Entry Cable

Part No.	Product No.	Pos.	1	25	50	100	
457836	57-10500-14	• 50 \$6.	79	\$6.41	\$6.06	\$4.76	
457844	57-20500-19	♦ 50 6.	09	5.62	5.15	4.74	
457828	57-20500-7♠	50 5 .	49	5.04	4.45	3.94	
457916	57-20500-31	• 50 9.	75	9.13	7.09	6.50	
457924	57-40500	50 5.	69	5.42	5.15	4.80	

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges Sorry, we're unable to ship COD.

IDC Centronics Connector

· Contact material: gold plated phosphor bronze; plastic casing

Current rating: 1 amp

• Temp. rating: -55°C to +105°C Use 73252 IDC

crimping tool, pg 143

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
13848	36-pin male⊕o	. \$1.99	\$1.75	\$1.68

PCB Centronics Connectors

ENGLASIA



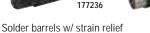
Solder-type contacts

• Space between rows: 0.164" • Metal body

 Space between pins: 0.1" PC mount Part No. Description 10 100 72151 36-contact F, rt angle ⊕ \$3.55 \$3.19 \$2.87 72081 50-contact F, rt angle ₹ 4.95

DIN and Mini DIN Plugs & Receptacles





See pg 105 for cable



DIN Female Sockets Metal body

Panel mount with solder lugs

Part No.	Cross Ref.	# of pins 1	10	100	500
15844	DINJ5 ≉	5 \$1.2 9	\$1.15	\$1.05	\$.79
15852	DINJ6 ₹	6 1.3 9	1.25	1.15	.99
15860	DINJ8⊕	8 1.49	1.35	1.15	1.05

Right Angle DIN **Female Sockets**

29400

207722

Set back: 0.5"

· PC mount contacts 119474: Plastic/metal body

29400: Plastic body



Other Manufacturers — Great Deals

 Set back: 0.5" PC mount contacts · Plastic/metal body

Blue Part No. = Limited Quantity Available

Part No. 100 500 # of pins 10 207722 MDS8100 @ 8 (mini) \$.99 \$.89 \$.69 \$.55

Cinch

Circular Mini DIN Connectors

Single-Ended Cable Assembly

- 6 or 8-pin male
- Molded-in strain relief
- Shield: steel with nickel
- · Contact material: phosphor bronze
- · Jacket over 28 AWG stranded wire

· Plug components for cable termination

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch Mini DIN Offering at www.Jameco.com/Prod/CinchMiniDIN

15886

USB-A & B **Connectors and Pins**

1.0 and 2.0



174060: USB-A & B (2.0) Male Connector

3-part housing: tin plate over brass and glass fiber

4-pins (P/N 159724, see web) required per

161024/230958:

USB-A & B (1.0 & 2.0) Female Connectors · PC mount right angle with board locks 230965: Male Crimp Pin

- Pin for P/N 174060 (4 required) Contact: gold
- Use P/N 159266 for crimping tool, pg 292 *Prepackaged: please order in increments of 10

Part No.	Description	1	10	100	1000
161024	USB-A 1.0 conn. (F) ≈	\$.799	.69	\$.62	\$.56
174060	USB-B 2.0 conn. (M) ⊕ .	69	.64	.60	.45
230958	USB-B 2.0 conn. (F) ≈	99	.85	.55	.42
230965	Crimp pin (M) for 2 0 (+)	*	125	09	065



159089/189771: AT keyboard adapter

Connects PS/2 keyboard to AT

6-pin female mini DIN to 5-pin male DIN

159097: PS/2 keyboard adapter

· Connects AT type keyboards to the PS/2

5-pin female DIN to 6-pin male mini DIN (PS/2)

316832: USB to PS/2 keyboard adapter

· USB-A female to PS/2 male

Part No.	Length	Housing	1	10	100
159089	1.6"	Metal⊕	\$2.95	\$2.65	\$1.98
159097	1.4"	Metal	2.95	2.51	1.88
189771	1.7"	Plastic⊕	2.95	2.65	1.98
316832	2.0"	Plastic ≉	1.79	1.59	1.39

Other Manufacturers — Great Deals

PS/2 Keyboard Adapter

Connects AT type keyboards to the PS/2

5-pin female DIN to 6-pin male mini DIN (PS/2)



PS/2 – USB Adapter

Plastic/metal..... \$2.65 \$2.25 \$1.69

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.



Quantity SAVE

- · USB A Male to two PS/2 female connectors
- · Color coded PS/2 connectors for keyboard & mouse
- Part No. Length Housing 1 10 645351 USB adapter ... \$12.35 \$11.75 \$11.15

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product

RoHS Compliant Product

RoHS Also Available



JAMECO ValuePro

Full Handshaking Null Modem Adapters

Self-contained nullmodem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.



Internal pin configuration:

17224: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20 **26243**: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100	
26243	DB25 M to DB25 F⊕	\$3.95	\$3.65	\$3.49	
17224	DB25 F to DB25 F⊕	3.49	2.95	2.49	

Computer Card Brackets



- For securing cards into bus slots
- Fits standard PC/XT/AT cases Length: 4.75"
- See pg 120 for DB connectors

Part No.	Description	Fig.	1	10	100
11754	Blank back panel⊕	1 9	\$1.79	\$1.59	\$1.45
101718	For DB9 connectors	? 2	1.79	1.59	1.45
101733	For DB25 connector	⊕ 3	1.79	1.52	1.14
101741	For DC37 connector	⊕ 4	1.79	1.59	1.45
101831	For DB9/DB25 conn.	2 5	1.79	1.59	1.45

Panel Bracket Cable Assemblies

 Standard computer back panel brackets

Length: 12"
Ribbon cable with

 Ribbon cable with header connector





Part No.	Description	1	10	25
355688	DB9 to 10-pin header	\$2.25	\$2.00	\$1.85
149622	DB25 to 26-pin header ⊕	2.79	2.51	2.26
179995	DB9M to 10-pin header DB25M to 10-pin header DB25F to 26-pin header	1 39	1 16	94

Standard D-Sub Gender Changers

 Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description 1	10	100
16635	D-sub 9-pin male⊕ \$1.95	\$1.75	\$1.49
16643	D-sub 9-pin female ⊕ 1.95	1.75	1.49
22058	D-sub 25-pin male⊕ 1.95	1.49	1.05
22074	D-sub 25-pin female⊕ 1.99	1.79	1.65

Commercial Customers

Slim-Line D-Sub Gender Changers







18446

For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- · Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
 Tin plated shells

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	100
18497	9-pin male to male ⊕	\$4.95	\$4.49	\$3.99
18489	9-pin female to female ⊕	4.95	4.49	3.99
56071	15-pin male to male ⊕	3.95	3.49	2.95
56063	15-pin female to female ⊕	3.95	3.56	3.19
119320	15-pin female to female HD ■ The state of the state o	4.75	4.28	3.84
119301	15-pin male to male HD⊕	5.25	4.76	4.19
326537	15-pin M-F (pass through)	2.25	1.91	1.43
18446	25-pin male to male⊕o	4.95	4.49	3.99
18420	25-pin female to female ⊕	4.95	4.49	3.99
170085	25-pin M-F (pass through) ⊕	2.95	2.65	2.35

JAMECO ValuePro

D-Sub 9-Pin to 25-Pin Serial Adapters

10321: For PC/XT systems with DB25 serial ports.

139985: gold-plated contacts, extra long thumbscrews

	9	139985		
Part No.	Description	1	10	100
10321	DB9 M to DB25 F⊕	\$4.49	\$3.79	\$3.19
189632	DB9 M to DB25 M€			
139985	DB9 F to DB25 F⊕	3.95	3.36	2.52

Other Manufacturers — Great Deals

D-Sub 9-Pin to 25-Pin Serial Adapters

10305: For use in AT or other computer systems that have 9-pin D-sub serial ports.

163740: For PC/XT systems with

DB25 serial ports. **Quantity SAVE**

Part No.	Description 1	10	100
10305	DB9 F to DB25 M⊕ \$3.15	\$2.69	\$1.99
163740	DB9 M to DB25 F, thumbscrews		
	on DB9 side only 2.55	2.19	1.65
664296	DB9 M to DB25 M, thumbscrews		
	on both sides 2.49	2.25	1.85

10' Fiber Optic Cable

Open an account with us to consolidate your monthly billing and to save time.

molex Fiber Optic Accessories

MTP/MPO

Provide reliable high performance interconnects of up to 24 fibers in a small footprint.



SMC

LC Loopback

Provides a stable and convenient means for testing optical SFP (Small Form-factor Pluggable) and SFF (Small Form Factor) devices.

SMC

Provide reliable high performance interconnects of up to 12 fibers in a low profile footprint.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic



Fiber Optic Connectors & Adapters







FC/APC

SC

The versatile Molex SC lightwave connector has been designed to NTT-SC standards & is completely compatible with other SC hardware.

SC Duplex

Designed to maintain fiber optic cabling polarity in the telecommunication and data communication networks.

SC/APC

NTT compliant connector, combines connector design with a precise Angled Physical Contact (APC) ferrule.

ESCON

High speed communication interconnect between mainframes and storage devices, peripheral control units and other networks.

EC/ADC

Combines an NTT-FC connector design with a precise, pre-angled, pre-radiused & pre-polished ferrule.

ST

664296

Specially designed for distribution applications & fully compatible with existing ST type hardware.

STII

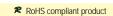
Versatile coupling nut design, which allows the STII connector to provide either standard ST or non-optical disconnect functionality.

Bezel Adapter Accessories

Provides many advantages when deploying various fiber optic adapters on equipment front and / or back panels.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic



Details on page 1.



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

296789



Fiber Optic Backplanes

HBMT™ MT

Utilizing a standard MT ferrule as the optical interface, the HBMT provides up to 96 fiber interconnects.

High density solution based on the NTT MT ferrule and MTP push-pull ribbon fiber connector.



Designed to provide a smooth transition from the active devices to the LC based fiber optic network.



BSC™/BSCII™ SC

Designed to provide a smooth transition from the active devices to the SC based fiber optic network.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic

■ PRIES Oscillator Socket

- · Body material: blue UL 94V-0 glass filled polyester thermoplastic
- · Brass alloy pin, 1/2 hard with 200μ" (5.08μm) 93/7 tin/lead plating
- Operating temp.: 221°F (105°C)
- · Contact current: 3A
- Center pin spacing: .300" (7.62mm)
- Suggested PCB hole size: .030" (.76mm)

Part No. Prod. No. Pos. L" x W" 10 100 1108800**≉** 8 .40 x .40 .. **\$.56** 291283



Universal SOIC to .600" DIP Adapter

Series 647

- · 44-pin adapter for mounting Aries Series 547 Universal SOIC ZIF test socket to 0.600" DIP PCB layout
- · Black FR-4 body material, 0.094" thick with copper traces
- Brass alloy female pin body with 200μ" (5.08μm) tin/lead plating Contact current: 3A
- Beryllium copper 4-fingered collet contact with 10μ" (0.25μm) gold over nickel plating
- Phosphor bronze alloy male pin with 200µ (5.08µm) tin/lead plating
- · Suggested PCB hole size: 0.028" diameter

Part No.	Product No.	Price
295283	44-647-10	\$60.95

ARIES

PLCC-to-DIP Adapter with Socket

Series 653000

- Converts PLCC packaged ICs to DIP footprints
- Adapter body: FR-4; .062" (1.58mm) thick with 1 oz. minimum copper traces
- Brass alloy solder tail pins w/ 200µ" (5.08µm) 93/7 tin/lead • Current rating: 1A
- Center pins: .600" (15.24mm) Width: .705" Suggested PCB hole size: .028" (.71mm) Dia.

Part No.	Product No.	Pos.	Length	1	10	100
295196	32-653000-10 🗷	32	1.6"	\$35.65	\$32.65	\$27.05



Row-to-Row **DIP Adapter Socket**

This socket allows the use of .300" (7.62mm) center devices when the PCB is drilled on .600" (15.24mm) centers and vice versa.



- Socket body: UL 94-HB glass-filled nylon
- Beryllium copper alloy 4-fingered collet contact w/ 30μ" (0.76μm) gold plating • Contact current: 3A
- Suggested PCB hole size: .035" (.89mm) dia.

Series 1107254 - .600" to .300" adapter

Part No.	Product No.	Pins	1	10	100
296762	1107254-28🗷	28	\$10.89	\$8.29	\$7.55

DIP/SOIC to TO Adapters

8-pin DIP socket or 8-pin SOIC footprint on top and a circular 8-pin TO can male footprint at the bottom. ICs now available only in 8-pin DIP or SOIC can be readily mounted on boards having TO thru-hole footprints without having to redesign the board.



 Male pin: brass alloy Lower \$\$\$ with 200µ" tin plating Suggested PCB hole size: .028" Dia.

323272: DIP to TO adapter

- Socket body: black UL 94V-0
- Female pin: brass alloy with 10µ" gold plating
- Female pin contact: beryllium copper with 10µ" gold plating • Contact current: 3A
- Accepts leads .015" to .025" Dia.; .100" to .125" long
- Dimensions: 0.4"L x 0.4"W x 0.23"H

323264: SOIC to TO adapter

• 1 oz. copper traces on both sides • Size: 0.375"Dia.

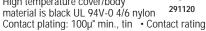
Part No.	Product No.	1	10	10
323272	1109522⊕	\$8.35	\$7.89	\$7.4
323264	1109814⊕	11.99	10.14	9.8

DIP Headers

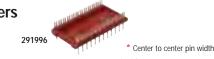
Series 600 Headers w/ Coined Contacts

SARIES

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body
- Contact plating: 100µ" min., tin Contact rating: 2A
- Operating temp.: 221°F (105°C) max.



Fork contacts: accept up to .025" (.64mm) dia. leads



	1.		-		оттот р	
Part No.	Product No.	Pos.	W (in.)*	1	10	100
291120	08-600-10	8	0.300	\$1.09	\$.96	\$.79
291312	14-600-10 2	14	0.300	1.55	1.37	1.11
291574	16-600-10≉	16	0.300	1.69	1.49	1.22
291945	20-600-10	20	0.300	2.05	1.79	1.45
291996	24-600-10	24	0.600	2.49	2.19	1.79

SOIC/SOJ to DIP Adapters

- · Board material: 0.062" thick FR-4 with 1 oz. copper traces on both sides
- Brass alloy pins w/ 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.

Series 35000X

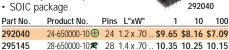
- Center pins: 0.300" (7.62mm)
- SOIC package

Blue Part No. = Limited Quantity Available Product No. Pins L"xW" Part No. 291208

08-350000-10**2** 8 .400 x .46 **\$6.59 \$5.59 \$4.50** 291291 14-350000-10 14 .700 x .45 5.79 4.91 4.63 16-350000-10**≈** 16 .800 x .45 **6.55 5.59** 291515 291910 24-350000-10**2** 24 1.2 x .45 **4.45 4.33** 291980 292075 28-350000-10**2** 28 1.4 x .40 **6.05 5.23 5.00**

Series 65000X

- Center pins: 0.600" (15.24mm)
- SOIC package



■ ARIES Series 526 Low Profile **ZIF Sockets**

- · Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact current: 2A
- Contact resistance: 10mΩ max.
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm) Zinc alloy cam Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" (0.89mm) Dia.
- Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pins	L" x W"	1	10	100
296789	24-526-10	24	1.45 x .75	. \$5.65	\$5.19	\$4.39
102745	28-526-10	28	1.64 x .75	5.49	4.99	4.49
102752	40-526-10 ⊕ €	3 40	2.24 x .75	7.35	6.65	5.89

ARIES

323272

323264

High Temp. Universal **ZIF Test Sockets**

Series X55X

- · Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100μ" tin over 50μ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature:
- -10: 221°F (105°C) tin plating -11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle
 Contact current: 1A • Insulation resistance: $1000M\Omega$
- Dielectric withstanding voltage: 1000VAC
- Center pins: 0.600" (15.24mm)

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Pins	L" x W"	1	10	100
292059	26-6554-11	26	1.3 x 0.9 \$1	10.95	\$9.59	\$9.55
295162	28-6554-11	28	1.4 x 0.9 1	11.85	10.39	10.25
295208	32-6554-11 🕀	3 2	1.6 x 0.9 1	13.15	11.77	11.49
295233	40-6554-11 2	40	2.0 x 0.9 1	15.69	13.79	13.69
103991	24-6554-10 🕀	24	1.8 x 0.9	7.49	6.79	5.99
104003	28-6554-10🗷	28	2.0 x 0.9	8.45	7.39	7.15
104012	32-6554-10🗷	32	2.1 x 0.9	9.95	8.49	8.29
104030	40-6554-10 2	40	2.5 x 0.9 1	11.25	9.80	9.45

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Machine Tooled Solder Tail Low-Profile Sockets

· Contact plating: gold

Tin-plated leads

Contact current: 3A

Multiple contact elements

Material: beryllium copper or phosphor bronze

Contact resistance:less than 5mΩ

Dielectric withstanding voltage: 300Vrms

 Insulation resistance: greater than 1000MΩ · Insulator: glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve material: brass

Thru-hole lead length: .177" (A) • Body ht.: .117" (B)

Blue Part No. = Limited Quantity Available

		Cross		Width				
	Part No.	Ref. No.	Pins	(in.)	1	10	100	1000
	167003	6MLPT⊕	6	0.3	. \$.29	\$.26	\$.18	\$.16
	51626	8MLP ₹	8	0.3	25	.22	.19	.17
ı	37197	14MLP ₹	14	0.3	42	.38	.33	.30
ı	37402	16MLP ₹	16	0.3	47	.43	.37	.34
	65585	18MLP ₹	18	0.3	55	.49	.43	.39
	38623	20MLP⊕	20	0.3	59	.55	.45	.39
	39387	24SMLP ₹	24	0.3	65	.59	.47	.35
	39351	24MLP⊕	24	0.6	65	.59	.53	.44
I	114412	28SMLP ₹	28	0.3	85	.75	.65	.55
	40328	28MLP⊕o	28	0.6	83	.75	.65	.59
	105380	32MLP⊕	32	0.6	95	.85	.75	.65
	41136	40MLP⊕	40	0.6	. 1.19	1.05	.79	.69
	42060	48MLP ≈	48	0.6	. 1.29	1.16	1.04	.89

Other Manufacturers — Great Deals										
662565	6MLP	6	0.3 \$.25	\$.22	\$.16	\$.14				
662573	8MLP ⊙	8	0.3 .22	.20	.17	.15				
	16MLP		0.342							
192209	224SMLP	22	0.4	.477	.382	2 (.287)				
	24MLP-GLD	24	0.6 .59	.49	.39	.25				
184680	284SMLP	28	0.480	.72	.58	.43				
662629	40MLP	40	0.6 1.09	.95	.69	.62				

Machine Contact Single-In-Line Female Sockets

 Machine tooled Single row

Solder tail and wire wrap



Machine Contact Dual-In-Line Female Sockets

 0.100" centers Solder tail

contact: .114"L 184612 · Contact clip: gold · Pin sleeve: tin

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Pins	1	10	100
212855	SA101000 ⊕⊙	10 9	\$.29	\$.23	\$.213
212871	SA141000 ⊕⊙	14	.35	.33	.30
212880	SA161000⊕	16	.40	.36	.27
184612	SA201000⊕	20	.50	.46	.42
212927	SA321000⊕	32	.80	.74	.55
212935	SA481000⊕	48 1	1.20	1.02	.77

Dual Wipe Solder Tail Low-Profile Sockets

Contact current: 1A Contact resistance:

less than $5m\Omega$ Dielectric withstanding



Insulation resistance: greater than $1000M\Omega$

• Thru-hole lead length: .140" (A) • Body ht.: .188" (B)

· Minimum order 10 pieces

l					
Part No.	Ref. No.	Pins	Width (in.)	10 100	1000
112193	6LPD ≈	6	0.3 \$.0	9 \$.06	\$.05
112206	8LPD ₹	8	0.3 .0	9 .08	.07
112214	14LPD ≉	14	0.31	0 .075	.05
112222	16LPD ₹	16	0.3 .1	3 .115	.095
112231	18LPD ₹	18	0.3 .1	6 .14	.12
112281	24SLPD⊕	24	0.31	3 .111	.083
112265	24LPD⊕ o	24	0.6 .1	58 .129	.089
112299	28SLPD⊕	28	0.3 .2	1 .19	.17
112301	32LPD⊕	32	0.6 .2	6 .23	.173
112310	40LPD ⊕○	40	0.6 .2	6 .23	.19
	011 11		_		

Other Manufacturers — Great Deals

Single & Dual Wipe Low-Profile Sockets

JIII	gic a buu	קושיי	C LUW-I IUII	ic Jock					
Part No.	Ref. No.	Pins	Width (in.) 1	0 100	1000				
51571	8LP ₹	8	0.3 \$.06	3 \$.054	\$.045				
689928	ED08DT	8‡	0.3 .07	.065	.055				
37162	14LP ≈	14	0.3 .08	1 .063	.054				
689936	ED14DT	14‡	0.308	.065	.04				
37372	16LP ⊕⊙	16	0.3 .09	.081	.054				
689944	ED16DT	16 ‡	0.311	.09	.07				
38113	18LP	18	0.3 .09	9 .084	.063				
689952	ED18DT	18‡	0.3 .14	.12	.10				
38608	20LP ₹	20	0.3 .10	8 .09	.063				
112248	20LPD⊕	20‡	0.315	3 .13	.098				
39132	22LP	22	0.410	8 .10	.095				
39378	24SLP	24	0.3 .16	1 .137	.103				
39335	24LP⊕	24	0.612	.081	.061				
112266	24LPD ₹	24‡	0.6 .15	.136	.122				
40301	28LP	28	0.6 .17	1 .117	.081				
112272	28LPD	28‡	0.6 .19	.16	.14				
689961	ED28DT	28‡	0.3 .18	.15	.11				
689979	ED32DT	32‡	0.6 .18	.15	.11				
41111	40LP ₹	40	0.6 .17	1 .153	.108				
689987	ED40DT	40‡	0.6 .22	.19	.13				
‡ Dual Wip	Dual Wipe								

Wire Wrap Socket I.D. Markers

· Quick identification of pin numbers

Slips onto socket before wrapping

Plastic

 Can easily write location, part number or function



Part No. Prod. No. Pins Width (in.) 10 100 1 500 8ID⊕ 0.3 ... \$.44 \$.35 \$.30 \$.28 51561 8 37145 14ID⊕ 14 0.3 **.35** .31 .28 .24 16ID⊕ 0.3 **.29** 37356 16 .26 .25 .23 38105 18ID**⊕** 18 0.349 .45 .39 .35 38586 20ID ⊕ 0.355 .49 .45 .41 20 39327 24ID⊕ .32 .31 24 0.636 .34 28ID⊕ 40299 0.665 .472 .354 .79 41101 40ID ↔ 40 0.689 .69

Level 1, 2 & 3 Wire Wrap Sockets

Contact plating/leads: gold (WW) or tin (TWW); dual wipe

Material: beryllium copper or phosphor bronze Contact current: 1A



37234

Contact resistance: <5mΩ

 Insulator: glass-filled polyester or glass-filled polyphenylene sulfide

Dielectric withstanding voltage: 300Vrms

Insulation resistance: greater than 1000MΩ
 Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3)

Sleeve material: brass
 Body height: .300" (A)

Gold (WW)

Part No.	Prod. No.	Pins	W (in.)) 1	10	100	500
37234	14WW2 ₹	14	0.3	\$1.49	\$1.35	\$1.19	\$1.09
37480	16WW2 ≉	16	0.3	1.75	1.59	1.43	1.29
38675	20WW2 	20	0.3	2.25	1.99	1.82	1.65
40353	28WW2 ≉	28	0.6	5.75	5.15	4.75	4.15

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)) 1	10	100	500
37218	14TWW2 ₹	14	0.3	\$1.15	\$1.03	\$.93	\$.84
37437	16TWW2 ₹	16	0.3	.99	.89	.80	.75
87637	18TWW2 欠	18	0.3	1.19	1.13	1.07	.99
75380	20TWW2	20	0.3	1.69	1.52	1.35	1.23
75417	24TWW2	24	0.6	1.49	1.35	1.09	.79
41180	40TWW2 ≉	40	0.6	2.49	2.15	1.79	1.62

Other Manufacturers — Great Deals

14 0.3 \$.82 \$.74 \$.59 \$.44 196841

ValuePro

Level 3 Machine Tooled Wire Wrap Sockets

· Contact plating: gold

Tin-plated leads

• Contact resistance: $<5m\Omega$

· Dielectric withstanding voltage: 300Vrms

Material: beryllium copper or phosphor bronze

Insulator: glass-filled polyester or glass-filled polyphenylene sulfide

Insulation resistance: greater than $1000M\Omega$

Šleeve material: brass • Body height: .115" (A)

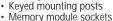
Thru-hole lead length: .365" (L2); .515" (L3)

	Cross		Width					
Part No.	Ref. No.	Pins	(in.)	1	10	100	500	
94474	8MSWW3 ≉	8	0.3	\$.53	\$.46	\$.38	\$.34	
62051	14MSWW3 ≉	14	0.3	.93	.80	.67	.60	
37411	16MSWW3 ≉	16	0.3	1.09	.93	.78	.69	
94482	18MSWW3 ₹	18	0.3	1.09	.93	.78	.74	
38632	20MSWW3 ≉	20	0.3	1.33	1.14	.95	.86	
185324	22MSWW3⊕	22	0.3	1.39	1.25	1.06	.97	
105372	24SMSWW3	24	0.3	1.55	1.32	1.11	.99	
94491	24MSWW3 ≉	24	0.6	1.55	1.31	1.11	1.03	
200715	283MSWW3@	28	0.3	1.69	1.43	1.30	1.15	
40336	28MSWW3⊕	28	0.6	1.69	1.43	1.36	1.23	
117057	32MSWW3⊕	32	0.6	2.19	1.97	1.58	1.28	
94503	40MSWW3 ₹	40	0.6	2.65	2.28	1.90	1.71	
200723	48MSWW3⊕	48	0.6	2.65	2.38	2.14	1.93	
Other Manufacturers — Great Deals								

192831 224MSWW3 22 0.4 \$.35 \$.314 \$.283 \$.255 313656 24MSWW3⊕ 24 0.6 **1.19 1.05**

JAMECO ValuePro

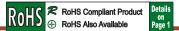
· Tinned contacts Locking tabs





					Control Ball
Part No.	Description	1	10	100	500
100302	Single x 30-pin, vert. ₹	\$.59	\$.53	\$.42	\$.408

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



AMP

DIP Sockets

Dual Leaf Straight Solder Tail

- · Accepts .008" to .014" thick IC leads
- Housing: glass filled

thermoplastic, 94V-0 rated, black Contact: phosphor bronze with 15µ" gold plate

Product No. Pos. Width Part No. 1 524576 2-640357-4 14 0.3 \$.75 \$.73 \$.69 2-640358-4 16 524584

Economy Ladder Style

- · Housing: glass filled thermoplastic, black
- · Contacts: phosphor bronze tin plating
- · Prepackaged: please order in increments of 5

Part No.	Product No.	Pos.	Width	5	50
526281	390261-1	6	0.3	\$.067	\$.062
683091	1-390261-1	6	0.3		.062
526299	390261-2	8	0.3		.062
683104	1-390261-2	8	0.3		.066
526192	390261-3	14	0.3		.074
683112	1-390261-3	14	0.3	126	.116
526205	390261-4	16	0.3		.077
683121	1-390261-4	16	0.3		.095
526213	390261-5	18	0.3	115	.112
683139	1-390261-5	18	0.3	151	.134
526221	390261-6	20	0.3	102	.097
683147	1-390261-6	20	0.3	141	.129
683163	1-390261-8	24	0.3	177	.175
526230	390262-1	24	0.6	21	.19
683198	1-390262-1	24	0.6	179	.175
683201	1-390262-2	28	0.6	179	.175
526248	390261-9	28	0.3	243	.235
683171	1-390261-9	28	0.3	195	.19
526256	390262-2	28	0.6	176	.168
526272	390262-5	40	0.6	233	.216
683227	1-390262-5	40	0.6	263	.261

Economy Over-the-Component Style

Part No.	Product No.	Pos.	Width	1	10	100
526264	390263-2	32	0.6	. \$.26	\$.233	\$.225
683286	1-390263-2	₹ 32	0.6	20	.189	.188

500/800 Series Machined Contact

- · Precision four fingered contact provides concentric funnel entry for easy flat and round lead insertion
- Non-wicking, closed bottom sleeve gives 100% protection against flux and solder contamination
- Contact resistance: 10mΩ max. Contact rating: 3A
- Insulation resistance: 5000MΩ @ 500VDC
- · Dielectric withstanding voltage: 1000Vrms
- Insulator: UL94V-0 rated thermoplastic polyester
- Sleeve: machined brass / formed copper
- · Contact plating: gold Contact: beryllium copper

Solid Insulator (500 Series)

	(-/			
Part No.	Product No.	Pos.	Width	1	10	100
619971	508-AG10D ◆	8	0.3	\$3.49	\$3.16	\$2.62
619989	514-AG10D ◆	14	0.3	4.19	3.78	3.14
619997	514-AG10D-ES♠	14	0.3	3.29	2.82	2.54
620007	514-AG11D ♠	14	0.3	3.39	3.08	2.08
620015	516-AG10D ◆	16	0.3	5.19	5.16	4.03
620023	516-AG11D ◆	16	0.3	3.65	3.32	2.75
620031	516-AG-11D-ES	16	0.3	1.69	1.54	1.27

Open Insulator (800 Series)

Part No.	Product No.	Pos.	Width	1	10	100
620285	814-AG11D ♠	14	0.3	\$3.39	\$3.08	\$2.55
620293	816-AG11D♠	16	0.3	3.65	3.32	2.75

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges Sorry, we're unable to ship COD

CA .100" DIP Header Plugs

- Gold-plated leads
- · Header plugs: keyed 37331 corner to indicate pin 1
- · U-shaped pin termination for easy component attachment Lead length: 0.188"
 0.1" spacing between leads

Part No.	Proa.No.	wiath	PINS	- 1	10	100
104337	8HP ≉	0.3"	8 \$	1.09	\$1.03	\$.99
37130	14HP ₹	0.3"	14	1.19	.99	.89
37331	16HP ₹	0.3"	16	1.35	1.25	1.09
38579	20HP ₹	0.3"	20	2.79	2.53	2.25

.100" IDC DIP Flat Cable Plugs

 Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing 42673

Uses 28 AWG flat ribbon cable, pg 105

Plastic with gold-plated contacts • Current rating: 1 A

	01033				
Part No.	Ref. No. Width (Contacts 1	10	100	500
42657	609-14 3 0.3"	14 \$.49	\$.40	\$.35	\$.29
42673	609-16 0.3"	16 .55	.45	.35	.30
104097	609-20 2 0.3"	20 .69	.62	.55	.49
42690	609-24 3 0.6"	24 .79	.71	.64	.59
99670	609-28 🕀 0.6"	28 .89	.80	.68	.51
42712	609-40 2 0.6"	40 1.15	1.05	.95	.85

Dielectric strength:

600VAC for 1 minute

PLCC Surface Mount Socket

Current: 1A

Insulator resistance: $5000M\Omega$ minimum Temperature surface mount: -55°C/ +170°C

Part No.	Cross Ref. No.	Pins	1	10	50	100
152688	PLCC44D	44	\$.75	\$.60	\$.48	\$.36

PLCC Solder Tail Sockets

Solder tail allows through-hole board patterns in .100" grid

Accepts JEDEC type "A" plastic leaded chip (0.05" centers)

821573-1

Thru-hole lead length: .125

 Body height: .375" Cross



1.09

.98 .85

668481

668529

Part No.	Ref. No.	Pins	1	10	50	100
71618	G1P444⊕	44	\$1.15	\$.99	\$.81	\$.69
72442	G1P452 ⊕	52	99	.79	.65	.55
71969	G1P468 ₹	68	1.15	.99	.89	.79
71976	G1P484⊕	84	1.29	1.16	1.04	.88
	Other Manufa	cturers	: — Gr	eat De	als	
687703	821574-1	68	\$1.03	\$.93	\$.84	\$.75

84 1.16

nolex

.050" (1.27mm) Pitch 72-Position SIMM Sockets

687691

- Accepts JEDEC MO-116 modules
 Left polarization
- · Contact: phosphor bronze Contact resistance: 30mΩ max.
- Insulation res.: 5000MΩ min. · Withstanding voltage: 1000VAC
- · Voltage (max.): 250V
- · Durability: 25 cycles min.
- Contact plating (plating thickness): gold (0.76µm; 30µ"); tin/lead (5µm; 200µ")
- PCB retention: press-fit plastic peg
- · Housing: liquid crystal polymer
- 669791: right polarization; gold contact plating

· Tin contact plating

• Temp. range: -40°C to +85°C

· Current (max.): 1.0A

UL94V-0

Part No.	Prod. No.	Description 1	10	25
668481	15-82-0775 	Vert \$2.99	\$2.89	\$2.80
669791	15-82-0778	Vert 4.09	3.76	3.42
669804	15-82-0678	22.5° low prof 4.05	3.77	3.36
670750	15-82-0649🏿	40° low prof 4.29	3.71	3.37
670784	15-82-1538	Rt. angle 7.25	6.69	6.07



.050" (1.27mm) 168-Position DIMM Sockets

- Accepts JEDEC MO-161 modules UL94V-0
- · Contact: phosphor bronze
- Insulation res.: $1000M\Omega$ min
- Withstanding volt.: 500VAC

Plating tàil: tin/lead

- Current (max.): 1.0A
- Contact resistance: $30m\Omega$ max. • Temperature range: -40°C to +85°C
- Contact plating: gold over palladium nickel
 Voltage (max.): 100V
 Housing
 - · Housing: liquid crystal polymer
- Under plating: nickel
- Durability: 25 cycles (min.) • 662813/662821/662830/662848: beveled metal pin, forklock PCB retention
- 668529/668545/668537: press-fit plastic peg PCB retention

Part No.	Proa. No.	Description	Function Key	voltage key	ı	10	25	50
662813	71736-0001 🗷	DRAM, 3.3V	Detail Y	Detail Y	\$3.69	\$3.43	\$3.10	\$2.79
662821	71736-0002 🗷	DRAM, 5.0V	Detail Y	Detail Z	3.89	3.60	3.24	2.93
662830	71736-0005 🗷	Unbuff., 5.0V	Detail X	Detail Z	3.35	3.09	2.78	2.72
662848	71736-0006 🕿	SDRAM, 3.3V	Detail Z	Detail Y	3.69	3.43	3.10	2.79
668529	71251-0001 🗷	DRAM, 3.3V	Detail Y	Detail Y	3.75	3.56	3.32	3.13
668545	71251-0002 🗷	Unbuff., 3.3V	Detail X	Detail Y	4.45	4.27	4.08	3.71
668537	71251-0016 🗷	SDRAM, 3.3V	Detail Z	Detail Y	4.45	4.27	4.08	3.71



668490

.050" (1.27mm) 184-Position DDR DIMM Sockets

· Current (max.): 1.0A

· Voltage key: 2.5V, left Insulation resistance: 1000MΩ min.

125V

• Withstanding voltage: 500VAC

87655-0004

- Contact: copper alloy: except for 668502: phosphor bronze
- · Plating tail: tin, lead free • UI 94V-0 Under plating: nickel
 - · Durability: 25 cycles min.
- · Housing: high temp. thermoplastic • Contact plating: .38µm (15µ") gold

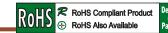
 $30m\Omega$ 12.75 12.19

- Temperature range: -10°C to +85°C Prod. No. 1 Part No. Description Voltage (max.) Contact Res. max. 10 25 668511 87623-2001 25° LP 50V 40mΩ \$7.69 \$7.39 \$7.10 \$6.45 668502 87636-2002 Vertical 50V $30m\Omega$ 1.85 1.76 1.67 1.52
- 🗷 RoHS compliant product 🛮 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

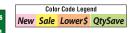
Rt. angle

10.57

11.63



BNC Connectors and Adapters



For more Amphenol Connectors

visit www.Jameco.com

Lower \$\$\$

Quantity SAVE

Amphanol RF

N-Type Crimp Plug

188445

· Silver-plated

· Attachment (outer/inner): crimp/crimp

697012: RG8/9/87A/213/214/225 697021: RG55/142/223/400 188445: RG58/141

Lower \$\$\$

	1000/111			
Part No.	Product No.	1	10	25
697012	82-4425♠	\$14.15	\$13.71	\$13.09
697021	82-5370	10.35	10.05	9.61
188445	82-5375-RFX ≈	4.19	3.40	3.37

To Find Additional Products In This Series Visit <u>www.Jameco.com/Prod/AmphenolN</u>



N-Type Adapter

- · In-series
- Socket/socket
- Body style: bulkhead
- · Brass, nickel plated
- · Contact: Berylium copper, silver plated

Part No.	Product No.	1	10	25
697039	82-66♠	\$24.99	\$24.26	\$22.36

Amphanal RF

SMA Crimp Plug

- · Frequency range: 0-18GHz
- Outer cable attachment: crimp
- Inner cable attachment: solder
- · Construction: captive contact
- · Type: crimp plug
- · Material: brass
- For RG174/U, RG188/U, and RG316/U cables

Part No.	Product No.	1	10	25
188488	901-9877-RFX ≈	\$2.79\$2.45	\$1.96	\$1.71

Amphanol RF

SMA PCB Jacks

188509

188525

- Applications: cellular phone, data communication, instrumentation and video
- 50Ω impedance
- Frequency range: 0-18GHz
- · Temperature range: -65°C to 165°C

Part No.	Product No. 1	10	25
188509	901-144-8-RFX⊕ \$3.35	\$2.99	\$2.42
188525	901-143-6-RFX⊕ 5.19	4.20	3.65



Amphenal RF SMA Adapter

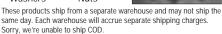
- In-series
- · Socket/socket
- · Body style: straight
- DC-18GHz max.

697047



T3/E3 Applications

- · PC board/panel mount jacks
- Crimp jacks
 Crimp plugs Additional Hardware
- Washers
 - Nuts



See Our AMP BNC Connector Offering at www.Jameco.com/Prod/AMPBNO

Amphenst RF

- · Frequency range: 0-4GHz Contact plating: silver/gold
- Cable type:

223394: RG59/62/71/140/210/302

696141: RG108A

696159: RG174/188A/316/Belden 7805A

188349: RG174/188/316 188306: RG58/184

567605: RG59/62







· Working voltage: 500V

567630: RG58/141

567681: Belden 8218

· Body plating: nickel/tin-lead

567648: RG59/62/140/210/302

567664/567672: Belden 9248/1694A/RG6

696757: RG174/188A/316/Belden 7805A







Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
567699	31-9-RFX ◆	1	_	50Ω BNC adapter, R/A, jack-plug	\$3.09	\$3.01	\$2.95
696132	31-10♠	_	_	50Ω receptacle, straight/bulkhead, solder cup	5.19	5.09	5.05
223394	31-120	2	UG-260/U	50Ω plug, straight, clamp		5.54	5.14
188429	31-208-RFX ₹	3	_	50Ω Jack-plug-jack	4.19	3.39	2.65
188411	31-219-RFX ₹	4	_	50Ω Straight jack-to-jack	3.15	2.74	2.06
188402	31-220G-RFX	5	_	50Ω Gasketed jack-to-jack	3.89	3.03	2.50
223554	31-3220	6	UG-492D/U	50Ω bulkhead adapter, straight, jack-jack	10.25	8.71	6.53
223511	31-221🕿	7	UG-1094/U	50Ω bulkhead receptacle, straight, solder cup	2.49	1.99	1.41
223538	31-2221🗷	8	UG-1094A/U	50Ω bulkhead receptacle, straight, solder cup	2.89	2.48	2.03
696141	31-2226♠	2	_	50Ω plug, twin BNC, straight, clamp/solder	18.49	17.96	16.58
696159	31-315♠	9	_	50Ω plug crimp, 3-piece	6.25	6.05	5.39
188349	31-315-RFX ₹	10	_	50Ω plug crimp, 3-piece	1.99	1.63	1.22
188306	31-320-RFX ₹	9	_	50Ω plug crimp, 3-piece	1.75	1.30	1.06
567605	31-321-RFX ◆	9	_	50Ω plug crimp, 3-piece*	1.39	1.25	1.14
567613	31-4700♠	_	_	50Ω bulkhead plug, FCP for RG58	4.65	4.48	4.27
567621	31-5136♠	11	_	50Ω bulkhead plug, Supertwist® for RG59	4.25	3.89	3.55
567630	31-5800♠	9	_	50Ω plug crimp, 3-piece	2.05	1.88	1.73
567648	31-5900♠	9	_	50Ω plug crimp, 3-piece	2.05	1.88	1.71
567664	31-7000♠	9	_	75 Ω plug crimp, 3-piece	4.89	4.54	4.18
567672	31-7000-RFX 	9	_	75Ω plug crimp, 3-piece	2.49	2.24	2.07
567681	31-71033♠	9	_	75 Ω plug crimp, 3-piece		2.92	2.68
567701	68175-5RFX ◆	9	_	50Ω plug, crimp for RG59	1.39	1.28	1.18
696757	69475♠	2	_	50Ω plug, straight, clamp/solder	10.23	8.99	7.76

* Nickel-plated/Gold plated brass contacts

Blue Part No. = Limited Quantity Available

Amphenol Connex

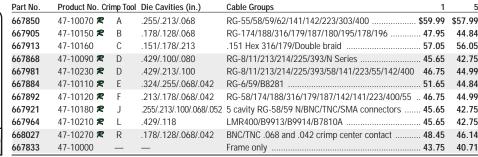
Universal Hand Crimp Tools

Amphenol Connex 47 series coax crimp tools utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.

667850/667884/667892/

667905/668027: for BNC/TNC connectors

• 667921: for BNC/TNC/N type connectors **667868/667981:** for N type connectors



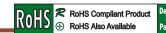
This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Amphenol Connex BNC Connectors and Adapters $50\Omega/75\Omega$ Crimp Tool* Description Prod. No. Fig. Cable Groups 295953 112116 🗷 50Ω straight crimp plug, captive contact RG-58/58A/58C/141/303/LMR195/B7806A \$1.40 \$1.34 \$1.28 295970 112119 🕿 Α 75Ω straight crimp plug, captive contact 1.39 1.32 296008 112132 🕿 В 50Ω straight crimp plug, captive contact RG-174/188A/316/B7805A 1.85 1 1.76 1.68 296016 112133 🕿 75 Ω straight crimp plug, captive contact RG-179/187/B9221 1.34 1.28 RG-58/58A/58C/141/303/LMR195/B7806A .. 1.79 Α 50Ω straight crimp jack 296032 112144 🕿 2 1.71 1.62 296041 112160 2 2 В 50Ω straight crimp jack RG-174/188A/316/B7805A 1.89 1.79 1.70 296631 112161 🗷 2 75Ω straight crimp jack RG-179/187/B9221 2.09 1.97 1.85 296420 112162 🗷 3 50Ω right angle crimp/solder plug RG-58/58A/58C/141/303/LMR195/B7806A .. 3.09 2.95 2.81 112178 🕿 3 50Ω right angle crimp/solder plug RG-174/188A/316/B7805A 3.49 296614 RG-58/58A/58C/141/303/LMR195/B7806A .. 3.35 658371 112202 2 4 50Ω bulkhead crimp jack 658398 112234 🗶 4 50Ω bulkhead crimp jack 2.98 2.93 112235 🗷 75Ω bulkhead crimp jack RG-179/187/B9221 3.15 2.91 658401 3.06 112290 🕿 5 50Ω panel receptacle jack All 50Q coax cables 3.85 2.99 658435 3.15 50Ω jack-to-jack bulkhead adapter, isolated 4.29 658478 112349 🕿 4.00 3.86 112404 🕿 50Ω straight PCB mount jack 296059 1.55 1.48 658427 112424 🕿 50Ω receptacle jack, solder terminal 1.51 1.43 296067 112431 🗷 50Ω bulkhead rec. jack, isolated, solder term. 2.46 2.21 658451 112437 🕿 10 50Ω jack-to-jack bulkhead adapter 2.93 2.78 75Ω jack-to-jack adapter 658460 112438 🗷 2.74 296075 112440 🗷 75Ω bulkhead jack-to-jack adapter, isolated 3.15 50Ω jack-to-jack bulkhead adapter, isolated 658486 112443 🕿 11 All 50Q coax cables 3.19 3.03 2.87 658494 112444 🕿 11 75 Ω jack-to-jack bulkhead adapter, isolated All 75Ω coax cables3.29 3.18 3.02 658507 112445 🕿 12 50Ω jack-to-jack adapter 2.04 1.93 296083 112446 🗶 12 75Ω jack-to-jack adapter 1.79 1.70 658515 112461 2 13 50Ω T-adapter, jack-plug-jack 1.76 1.66 50Ω bulkhead crimp jack 2.78 658380 112505 🕿 4 Α RG-55/142/223/400 2.89 2 67 296091 112507 🕿 Α 50Ω straight crimp plug RG-59LL20AWG/B-91-8/B1515/B9104 1.55 1.52 1.38 RG-6/143/212/B3092/B3093 1.46 296198 112508 🕿 75Ω straight crimp plug, captive contact 1.39 1.33 295996 112512 🕿 50Ω straight crimp plug, captive contact 316/U double braided 1.99 1.98 1.43 50Ω straight crimp jack 296622 112513 🕿 1.70 50Ω straight crimp plug, captive contact 296104 112514 🕿 296024 112516 🕿 50Ω straight crimp plug, captive contact 296497 112526 🕿 50Ω BNC right angle crimp/solder plug RG-55/142/223/4004.15 3.99 3.78 296139 112533 🕿 50Ω straight crimp plug, captive contact RG-8X/LMR240/B7808A 1.48 1.35 1.42 658443 112538 🗶 14 50Ω straight jack PCB mount 1.70 1.61 50Ω straight solder plug, 0.141 semi-rigid 296243 112551 🕿 RG-402/U 1.63 1.47 296112 112562 🕿 50Ω straight crimp plug, captive contact 4.15 3.71 Fig. 13 296147 112563 🕿 50Ω straight crimp plug, captive contact 4.19 4.00 296121 112565 🕿 1.62 1.45 658419 112581 🕿 50Ω bulkhead crimp jack, 0.141 semi-rigid RG-402/U 2.58 2.32 295988 112597 🗶 10 1.82 1.65 658540 202100 2 15 Male cap with chain All BNC female connectors 1.89 1.78 1.80 658523 202103 🕿 50Ω terminator plug Fig. 15 658531 202105 2 16 75Ω terminator plug All 75 Ω coax cables 2.09 2.02 1.93 658558 Male shorting cap with chain All BNC female connectors 2.45 2.35 2.25 Amphenol Connex MCX/MMCX Connectors 50Ω Crimp Tool* Description Part No Prod. No. Cable Groups 10 25 MCX right angle crimp plug 296649 252102 🗷 17 В RG-174/188A/316/B7805A\$4.35 \$3.84 \$3.55 662506 252103 2 18 MCX straight crimp plug RG-174/188A/316/B7805A 4.15 4.09 4.04 252105 2 19 MCX straight jack, PCB 3.09 296657 3.24 MCX straight solder plug, 0.085 semi-rigid 662522 252107 2 18 3.43 3.27 296665 252109 2 17 MCX rt angle solder plug, 0.085 semi-rigid 4.05 3.86 662531 MCX right angle crimp plug RG-58/58A/58C/141/303/LMR195/B7806A .. 5.59 662514 252127 🗷 18 MCX straight crimp plug 4.83 4.61 662549 252153 2 20 MCX straight plug, PCB 4.65 4.44 4.24 262102 🗷 21 MMCX right angle cable plug 296673 RG-178/196 3.15 3.09 2.98 262103 🗷 21 В MMCX right angle cable plug RG-174/188A/316/B7805A 3.15 296681 3.09 2.98

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.





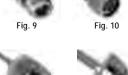














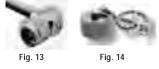


Fig. 15 Fig. 16

O. III	6
Fig. 17	Fig. 18
179	B

Fig. 20

Amphenol Connex

Type N Connectors 50Ω

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups 1	10	25
296454	172100 🗷	1	J	Straight crimp plug captive contact	RG-58/58A/58C/141/303/LMR195/B7806A \$3.55	\$3.06	\$2.96
296462	172102 🗷	1	D	Straight crimp plug captive contact	RG-8/8A/213/393	3.72	3.54
296471	172102H243	P 1	L	Straight crimp plug captive contact	RG-B9913/LMR400/B7810A/B8214 5.25	4.75	4.31
296489	172103 🗷	2	J	Straight crimp jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A 3.55	3.38	3.20
659198	172106 🗷	3	J	Bulkhead crimp jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A 6.19	5.98	5.68
659251	172117 🗷	4	_	Panel receptacle jack		4.06	3.88
659260	172118 🗷	5	_	Panel receptacle jack, solder terminal	—6.09	5.88	5.27
659278	172119 🗷	6		Panel receptacle jack, solder terminal	All 50Ω coax cables 4.65	4.20	3.75
659286	172122 🗷	7		Plug-to-plug adapter	All 50Ω coax cables 5.85	5.59	5.34
659294	172123 🗷	8		Jack-to-jack adapter	All 50Ω coax cables 4.15	3.99	3.80
659307	172124 🗷	9	_	Bulkhead jack-tojack adapter		5.80	5.54
659315	172126 🗷	10	_	Angled plug-to-jack adapter		7.45	7.26
296500	172128 🗷	1	B/J	Straight crimp plug captive contact	RG-174/188A/316/B7805A 4.75	4.09	3.96
296518	172129 🗷	3	В	Bulkhead crimp jack captive contact	RG-174/188A/316/B7805A 5.35	4.62	4.47
296526	172132 🗷	3	J	Bulkhead crimp jack captive contact	RG-55/142/223/400	4.87	4.65
296534	172133 🗷	11		Straight solder plug, 0.141 semi-rigid	RG-402/U4.75	4.11	3.15
296542	172135 🗷	1	J	Straight crimp plug captive contact	RG-8X/LMR240/B7808A	3.31	3.20
296551	172137 🕿	3		Bulkhead solder jack, 0.141 semi-rigid	RG-402/U	5.93	4.55
296569	172138 🕿	3		Bulkhead solder jack, 0.085 semi-rigid	RG-405/U	4.82	4.51
659155	172139 🗷	1	_	Straight solder plug, 0.250 semi-rigid	0.250 semi-rigid	4.13	3.79
296577	172142 🗷	1	J	Straight crimp plug captive contact	RG-55/142/223/400	4.26	4.11
659243	172147 🕿	2	J	Straight crimp jack captive contact	RG-55/142/223/400	3.52	3.36
659201	172149 🕿	3	J	Bulkhead crimp jack captive contact	RG-8X/LMR240/B7808A 5.09	4.43	4.28
296585	172165 🕿	3	В	Bulkhead crimp jack captive contact	RG-316/U double braided	6.85	6.65
659139	172166 🕿	1	D	Straight crimp plug captive contact	RG-214/225	4.11	3.87
659121	172171 🗷	1	B/J	Straight crimp plug captive contact	RG-316/U double braided 5.45	5.19	4.95
659235	172173 🕿	12	B/J	Straight crimp panel jack captive contact	RG-174/188A/316/B7805A 6.29	6.03	5.76
659227	172175 🕿	12	J	Straight crimp panel jack captive contact	RG-55/142/223/400	6.88	6.61
659180	172176 🕿	12	L	Right angle crimp plug	B9913/LMR400/B7810A/B8214 6.05	5.50	5.17
659163	172177 🗷	12	Α	Right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A 7.39	6.44	6.22
296593	172178 🕿	13	Α	Right angle crimp plug	RG-55/142/223/400	6.61	6.06
659171	172180 🕿	13	B/J	Right angle crimp plug	RG-174/188A/316/B7805A	7.32	6.78
296606	172203 🗷	2	L	Straight crimp jack captive contact	B9913/LMR400/B7810A/B8214 3.75	3.39	3.05
659147	172206 🗷	1	HEX	Straight crimp plug captive contact	LMR600	7.44	7.19
659219	172208 🗷	12	J	Straight crimp panel jack captive contact	RG-58/58A/58C/141/303/LMR195/B7806A 5.55	5.31	5.06
659112	172214 🎗	1	J	Straight crimp plug captive contact	LMR200/B7807A	3.37	3.08
659323	202102 🗷	14	_	N male cap and chain, nickel plated	—	1.69	1.58

Amphenol Connex

TNC Connectors $50\Omega/75\Omega$

			Crimp				
Part No.	Prod. No.	Fig.	Tool*	Description	Cable Groups 1	10	25
296155	122108 🗷	15	Α	50Ω straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A \$1.37	\$1.20	\$1.16
658574	122111 🗷	15	Α	75Ω straight crimp plug	RG-59/62/140/210	1.34	1.28
658603	122116 🗷	15	В	50Ω straight crimp plug	RG-174/188A/316/B7805A 1.75	1.52	1.47
658671	122122 🗷	16	Α	50Ω straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A 1.99	1.69	1.55
658611	122140 🗷	17	Α	50Ω right angle crimp/solder plug	RG-58/58A/58C/141/303/LMR195/B7806A 2.99	2.58	2.50
658638	122148 🗷	17	В	50Ω right angle crimp/solder plug	RG-174/188A/316/B7805A	2.83	2.74
296171	122160 🗷	18	Α	50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A 2.89	2.49	2.40
296180	122192 🗷	18	В	50Ω bulkhead crimp jack	RG-174/188A/316/B7805A 2.89	2.49	2.40
658700	122248 🗷	19		50Ω panel receptacle jack	All 50Ω coax cables	2.12	2.05
658697	122332 🗷	20	_	50Ω bulkhead receptacle jack, solder trmnls	<u> </u>	1.59	1.49
658646	122358 🗷	18	В	50Ω bulkhead crimp jack	RG-316/U double braided 2.85	2.63	2.40
658654	122370 🗷	18	В	50Ω bulkhead crimp jack	RG-178/196	3.20	3.05
296163	122372 🗷	15	Α	50Ω straight crimp plug	RG-55/142/223/400	1.41	1.35
658689	122373 🗷	20	Α	50Ω straight crimp jack	RG-55/142/223/400 1.55	1.47	1.39
296201	122393 🗷	15	L	50Ω straight crimp plug	B9913/LMR400/B7810A/B8214 5.55	4.77	4.38
658582	122394 🗷	15	D	50Ω straight crimp plug	RG-8/8A/213/393 4.39	4.15	4.00
658591	122408 🗷	15	Α	50Ω straight crimp plug	RG-8X/LMR240/B7808A 1.59	1.38	1.33
658566	122410 🗷	15	Α	50Ω straight crimp plug	LMR200/B7807A 1.39	1.26	1.13
296219	122426 🗷	15	Α	75Ω straight crimp plug	RG-59/U 20 AWG./B9108/B1515/B9104 1.85	1.79	1.76
658620	122430 🗷	16	Α	50Ω right angle crimp/solder plug	RG-55/142/223/400	2.93	2.68

^{*} Crimp tools for these connectors are on page 150

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.



Amp	henol (or			ors 50 Ω				200	20
Part No.	Prod. No.	Fia.	Crimp Tool*) Description	Cable Groups	1	10	25	100	60
658718	132100 🗷			Straight cable plug, 0.141 semi-rigid	RG-402U		\$1.27		-35	40-3
296227	132101 🗷		_	Straight cable plug w/contact, 0.085 semi-rigid	RG-405U		2.34	2.15	Fig. 1	Fig. 2
296235	132102 🗷		_	Straight cable plug w/contact, 0.141 semi-rigid	RG-402U		2.28	2.09	William William	
296251	132105 🗷	2		Bulkhead feed through cable jack-o-ring seal, 0.141 semi-rigid	RG-405U	. 4.39	3.96	3.56	160	Cars.
296260	132106 🗷	2		Bulkhead feed through cable jack-o-ring seal, 0.085 semi-rigid	RG-402U	. 4.89	4.56	4.21	Fig. 3	Fig. 4
296278	132107 🗷	3		Panel mount cable jack, 4-hole square flange, 0.085 semi-rigid	RG-405U		4.45	4.24		
658726	132108 🗷	3	_	Panel cable cable jack, 4-hole square flange, 0.141 semi-rigid	RG-402U/.141 semi-rigid	. 5.09	4.95	4.63	630	1
296286	132109 🗷	4		Panel mount cable jack, 2-hole flange, 0.085 semi-rigid	RG-402U	. 4.15	3.74	3.55	Fig. 5	Fig. 6
658734	132110 🗷	4	_	Panel mount cable jack, 2-hole flange, 0.141 semi-rigid	RG-402U/.141 semi-rigid	. 4.79	4.59	4.29	200	0-
296294	132111 🗷	5		Right angle cable plug, 0.085 semi-rigid	RG-405U		3.67	3.31	100	202
296307	132112 🗷	5		Right angle cable plug, 0.141 semi-rigid	RG-402U	. 4.29	3.88	3.47		All a
296315	132113 🗷	1	Α	Straight crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A .	. 3.15	2.72	2.19	Fig. 7	Fig. 8
296323	132114 🗷	18	В	Straight crimp plug	RG-174/188A/316/B7805A	. 2.85	2.44	2.23		
296340	132116 🗷	6	Α	Straight crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A .	. 4.39	3.83	3.51	and the same of	Sec.
658945	132117 🗷	6	В	Straight crimp jack	RG-174/188A/316/B7805A	. 3.69	3.33	3.00	200	100
658849	132118 🗷	7	Α	Bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A .	. 4.45	3.85	3.53	-200	1600
296331	132119 🗷		В	Bulkhead crimp jack	RG-174/188A/316/B7805A		4.05	3.68	Fig. 9	Fig. 10
296358	132122 🗷		Α	Right angle crimp plug	RG-58/58A/58C/141/303/LMR195/B7806A .		4.96	4.47		
296366	132123 🗷		В	Right angle crimp plug	RG-174/188A/316/B7805A		4.46	4.05	460	and the same of th
296374	132134 🗷			Straight jack, PCB terminals	All 50Ω coax cables		3.29	3.13	15.00	Total Co.
658996	132136 🗷			Right angle jack, PCB	All 50Ω coax cables		5.51	5.26	45.74	-
659016	132137 🗷		_	Bulkhead jack receptacle, solder terminal			4.61	4.40	Fig. 11	Fig. 12
296382 659024	132146 ? 132147 ?		_	Panel mount jack receptacle, 4-hole square flange			6.36 5.15	5.93 4.72	11g. 11	1 lg. 12
659032	132147 🗷			Panel mount jack receptacle, 2-hole flange Plug-to-plug adapter	All 50Ω coax cables		4.38	4.12	72 hr	CO.
659041	132169 🗷			Jack-to-jack adapter	All 50Ω coax cables		3.67	3.50	W. 700	1
659059	132170 🗷		_	Jack-to-jack adapter, bulkhead feedthrough			5.89	5.56	-40	1/859
659067	132171 🗷			Plug-to-jack adapter	All 50Ω coax cables		4.64	4.41	Fig. 13	Fig. 14
659075	132172			Right angle plug-to-jack adapter	All 50Ω coax cables		5.90	5.46	rig. 13	Fig. 14
296391	132178 🗷		С	Straight crimp plug	RG-316U double braided		3.19	3.05	APPL .	A
658822	132182 🕿	17	С	Right angle crimp plug	RG-316U double braided	. 5.85	5.54	5.29	1000	ALC: 17%
658857	132191 🗷	7	Α	Bulkhead crimp jack	RG-55/142/223/400	. 4.49	4.38	4.19	10000	VP~48
658777	132193 🗷	18	В	Right angle crimp plug	RG-178/196	. 4.99	4.79	4.49	Fig. 15	Fig. 16
658793	132194 🗷	19	Α	Right angle crimp plug	RG-55/142/223/400	. 5.59	5.39	5.22	11g. 13	1 lg. 10
296403	132195 🗷	1	Α	Straight crimp plug	RG-55/142/223/400	. 2.95	2.90	2.67		•
658961	132198 🗷	20	С	Straight crimp jack	RG-316U double braided	. 4.19	4.05	3.87	100	1
659008	132203 🗷	21		Right angle bulkhead jack, PCB	All 50Ω coax cables		7.95	7.17	1000	700
658751	132231 🗷		Α	Straight crimp plug	RG-8X/LMR240/B7808A		3.70	3.48	199	-
658742	132234 🗷		Α	Straight crimp plug	LMR200/B7807A		2.57	2.32	Fig. 17	Fig. 18
658806	132235 🗷		A	Right angle crimp plug	LMR200/B7807A		4.67	4.27		_
658814	132239 🗷		A	Right angle crimp plug	LMR200/B7807A		7.39	6.99	C.1000	100
658865	132241 🗷		Α	Bulkhead crimp jack	RG-8X/LMR240/B7808A		3.89	3.55	-500	100
658769	132298 🗷		L	Right angle crimp plug	B9913/LMR400/B7810A/B8214		5.19	4.75	167	
659091	132360 🗷		_	Terminator plug	_		2.20	2.11	Fig. 19	Fig. 20
659104 659083	132361 2 202112 2		_	Terminator jack Male cap			2.30 1.42	2.20 1.35	11g. 17	1 ig. 20
039003	202112 🔼	22		iviale cap		. 1.49	1.42	1.33	100	1000
Ampl	henol'C	or	ıns:	sMB Connect	ors 50 Ω				W.	(72)
Part No.				Description	Cable Groups	1	10	25	Fig. 21	Fig. 22
296411	142176 🗷		С	Right angle cable plug	RG-316U double braided		\$4.58	\$4.19	_	5
659358	142186 🗷		В	Straight crimp plug	RG-174/188A/316/B7805A		3.98	3.66		
659366	142187 🗷		С	Straight crimp plug	RG-316U double braided		3.71	3.52	100	and the same
296446	142194 🗷		В	Right angle cable plug	RG-174/188A/316/B7805A		4.68	4.29	176	
659340	142220 🗷		A	Straight crimp plug	RG-55/142/223/400		4.36	4.16	120	1000
659374 296438	142229 ? 142255 ?		B A	Straight crimp plug Straight crimp plug	RG-178/196 RG-58/58A/58C/141/303/LMR195/B7806A .		4.07 4.38	3.64 4.17	Eig 22	Fig. 24
	ols for these cor				1.0 00/30/1/300/ 14 1/303/EMIN 173/D/000A .	. 7.37	7.30	7.17	Fig. 23	Fig. 24

^{*} Crimp tools for these connectors are on page 150

[🗷] RoHS compliant product 😁 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Amphenol Connex

UHF Connectors and Adapters

- Frequency range: 0-300MHz
 Working voltage: 500V
 Cable type: 668385: RG58/58A/58C/141/303/LM195/B7806A
- Contact plating: nickel and silverCable type: 668393: RG59/62/140/210

Part No.	Prod. No.	Fig.	Industry No.	Description 1	10	25
668377	182106 2	1	PL-259	Straight plug, solder, nickel finish, phenolic insulator	\$2.11	\$1.73
668385	182107	2	UG-175/U	Reducing adapter, nickel finish, for 66837755	.466	.333
668393	182108 	2	UG-176/U	Reducing adapter, nickel finish, for 668377	.432	.285
668449	182109	3	PL-258	Jack-to-jack adapter, nickel finish, teflon insulator	4.34	4.13



000303	1021077	2	00 17570	reducing adapter, i	HCKCI III II 311, 101 000377
668393	182108 	2	UG-176/U	Reducing adapter, r	nickel finish, for 668377
668449	182109 	3	PL-258	Jack-to-jack adapte	r, nickel finish, teflon insulator .
J <u>AMECO</u>	Value Pro	Lower \$	s B	NC Connect	ors and Adapters
	460		200		(0)
Fig.	1	Fig. 2		Fig. 3	Fig. 4
Blue Part	No. = Limited Qu	uantity Availa	able		
Dort No	Cross Dof N	lo Fia	Industry No	Description	





art No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
55099	31-2🗷	1	UG-88/U	50Ω BNC plug, clamp, for RG-58 /141/142/400 cables	\$3.59	\$2.75	\$2.55
11344	31-10-RFX ₹	2	_	50Ω BNC jack, bulkhead	2.05	1.94	1.84
55101	31-202⊕	1	UG-88C/U	50Ω BNC plug, clamp, for RG-55/58/141/142/223/400 cables	3.95	3.24	2.39
55119	31-203 ⊕✿	3	UG-290A/U	50Ω BNC receptacle, panel mount, solder cup	5.19	4.22	3.16
55127	31-208-RFX⊕	4	UG-274A/U	50Ω BNC T-adapter, jack-plug-jack	3.29	2.81	1.92
55135	31-212⊕	1	UG-260B/U	50Ω BNC plug, clamp, for RG-59/62/71/140/210/302 cables	3.49	2.67	2.00
63961	31-218⊕	5	UG-491A/U	50Ω BNC straight adapter, plug-plug	7.69	5.49	4.12
55152	31-219-RFX ₹	6	UG-914/U	50Ω BNC straight adapter, jack-jack	2.49	2.21	1.68
63979	31-220G-RFX ⊕	7	_	50Ω BNC bulkhead adapter, jack-jack		2.33	1.74
55362	6775⊕	1	UG-959/U	50Ω BNC plug, clamp/solder, for RG-8/9/87A/213/214/225	8.09	7.99	5.99
11319	68175-5RFX⊕	9	_	50Ω BNC 3-pc plug for crimp RG-59		.96	72
11327	69475⊕	1	_	50Ω BNC plug, clamp for RG-174/179/187/188/316	5.85	4.72	3.54
11351	31-220N-RFX⊕	7	_	50Ω BNC bulkhead adapter, jack-jack	2.85	2.42	2.22
55178	31-221 ⊕ 🌣	8	UG-1094/U	50Ω BNC bulkhead receptacle w/ grounding lug, solder cup	2.05	1.63	1.22
11378	31-315⊕	9	_	50Ω BNC 3-pc cable crimp plug, for RG-174 cables	4.49	3.80	3.12
55215	31-315-RFX⊕ ⊙	10	_	50Ω BNC 3-pc plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	1.55	1.38	1.36
55223	31-318-RFX⊕ ⊙	11	_	50Ω BNC bulkhead jack, for RG-174/188/316 cables	2.75	2.01	1.51
55240	31-320-RFX⊕	10	_	50Ω BNC 3-pc plug, crimp, for RG-58/141 cables		1.25	1.23
11394	31-321⊕	12	_	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	3.25	2.94	2.71
11408	31-321-RFX⊕	12	_	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	1.35	1.21	1.09
11511	31-70000 ↔	13	_	75Ω 3-pc plug, crimp, RG-6 type, Belden 9248/1694A	4.19	3.49	2.61
11520	31-70008-1000	13	_	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	4.65	4.23	3.17
11546	31-71008-RFX⊕	14	_	75 Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	1.55	1.31	1.18
11554	31-71013-RFX⊕	15	_	75Ω BNC plug, crimp, for RG-179/187 cables	1.75	1.60	1.50
11562	31-71014-RFX⊕	16	_	75Ω BNC jack, crimp, for RG-179/187 cables	1.89	1.62	1.41
11572	31-71032	17	_	75Ω BNC 3-pc plug, crimp, for Belden 8281/88281 cables	3.05	2.62	2.08
11589	31-71033 ↔	18	_	75Ω BNC 3-pc plug, crimp, for Belden 8218 cables	3.25	3.19	3.00





Fig. 14

Fig. 15	Fig. 16
Fig. 17	Fig. 18

Part No. Cross Ref. No. Fig. Industry No. Description	pe Connector		
	1	10	25
311415 31-2367-RFX⊕ 19 — 50Ω TNC plug	, crimp-crimp, for RG-58/141 cables\$1.35	\$1.29	\$1.17



JAMECO'	Value Pro			Type N Connectors		
Part No.	Cross Ref. No.	Fig.	Industry No.		10	25
311600	82-97-RFX⊕	20	UG-58A/U	50Ω Type N receptacle jack, panel mount\$3.25	\$2.59	\$2.10
311619	82-202-1006 	21	_	50Ω Type N clamp plugs, for B9913/Amp TWB 4001 cables 6.59	4.97	4.07





J <u>AMECO</u>	Value Pro			SMA Connectors			
Part No.	Cross Ref. No.	Fig.	Industry No.		1	10	25
355283	901-143-6RFX ₹	22	_	50Ω SMA jack, right angle, PC mount	\$4.35	\$3.85	\$3.60
355303	901-9877-RFX⊕	2 3	_	50Ω SMA plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	2.55	2.21	1.80



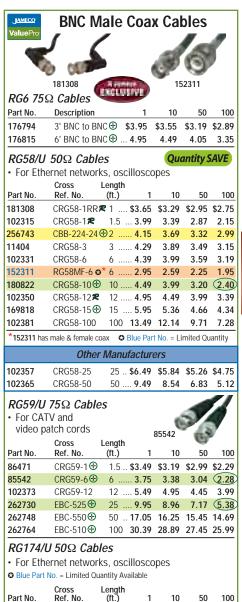


JAMECO'	Value Pro			MMCX Connector	ENGLUSIVE	Quant	ity SAVI	
Part No.	Cross Ref. No.	Fig.	Industry No.	Description		1	10	25
311686	908-43200⊕	24	_	50Ω MMCX right angle plug, crimp for RG-178/	J cables	\$6.35	\$5.15	\$3.86
311693	904-43300⊕	24	_	50Ω MMCX right angle plug, crimp for RG-174/	188/316	6.65	5.50	4.12

Fig. 24

① This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.





Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
111472	RG174U3	⊕ 3	\$3.85	\$3.49	\$3.15	\$2.85
111481	RG174U6	⊕ 6	4.59	4.15	3.75	3.35

Hex Crimp Tools

261745

· Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule **261745**: 1.7mm

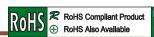
standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule **261737**: Ferrules up to 1/2"

Part No.	Description	1	5
261745	Hex crimp tool (3/8") ⊕	\$19.75	\$18.55
261737	Hex crimp tool (1/2") ⊕	18.49	16.65

Free Technical Support

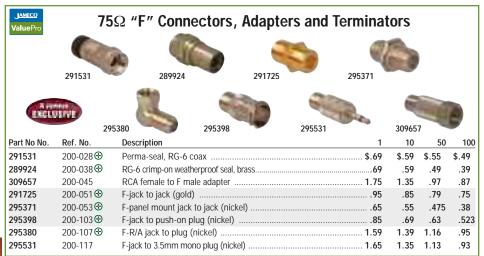
Our knowledgeable Tech Support department is ready to answer you questions! 1-800-831-4242

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Color Code Legend

New Sale Lower\$ QtySave





- Application: cellular phone, data communication, instrumentation and video
- Frequency range: 0-18GHz
- 50Ω impedance
- Temperature range: -65°C to 165°C
 Plating: gold and nickel Connectors

Part No.	Description	Cable Type	Plated	1	10	50	100
157972	SMA 50Ω crimp type male plug connector ⊕	RG-58	Gold	\$3.79	\$3.49	\$3.09	\$2.89
153365	SMA 50Ω crimp type male plug connector ⊕	RG-174	Gold	4.39	3.95	3.55	3.19
145381	SMA straight female PCB mount connector, 4 legs ⊕	_	Gold	5.25	4.75	4.25	3.49
145373	SMA 90° female PCB mount connector, 4 legs ⊕	_	Gold	7.39	6.65	5.32	3.99
153286	SMA bulkhead solder female w/ washer, rear mount ₹	RG-58/174	Gold	3.49	3.15	2.85	2.59
159530	SMA female panel mount conn., 4 mounting holes ⊕ *	RG-58/174	Gold	2.95	2.65	2.35	2.10
160022	SMA female panel mount conn., 2 mounting holes ₹ *	RG-58/174	Gold	3.99	3.59	3.25	2.95
160013	Panel mount feed thru connector female – female ₹	_	Nickel .	4.99	4.49	3.99	3.49

*159530/160022: Solder cup

Couplers

1



Part No.	Description	Plated	1	10	50	100
153293	SMA straight coupler female – jack-to-jack⊕	Gold	\$3.85	\$3.39	\$2.19	\$1.79
161277	SMA 3-way coupler, 1 male – 2 female ⊕	Gold	3.49	3.15	2.85	2.55
161294	SMA straight coupler male – male	Gold	3.65	3.29	2.95	2.75
161306	SMA right angle coupler male – female⊕	Gold	4.99	4.49	3.99	3.65

SMA to BNC Adapters

SMA male to BNC female adapter ⊕





• Use with crimping tool P/N 114535, pg 292

 Part No.
 Description
 1
 10
 50

 172363
 Bulkhead crimp jack ⊕ \$3.49
 \$2.95
 \$2.21

 172371
 Cable crimp plug ⊕ 4.29
 3.65
 2.74

VALUEPRO SMB PCB Connector

0-4GHz electrical performance

Gold plated brassInsulation: teflon

Contact: beryllium copper

 Part No.
 Description
 1
 10
 50

 167312
 Right angle PCB₹ \$4.45
 \$3.89
 \$3.25

Cinch SMA Connectors

- Jacks and plugs
- Straight
- Right angle
- Edgemount

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch RF Connector Offering at www.Jameco.com/Prod/CinchRF



Fig. 1: SMA male to SMA male

Fig. 2: SMA male to SMA right angle male

Fig. 3: SMA right angle male to SMA right angle male

Fig. 4: SMB plug to SMB plug

Blue Part No. = Limited Quantity Available

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370	RG-58⊕	1	2 \$	4.49	\$3.99	\$3.49
159397	RG-58 ≉	1	6	5.49	4.89	4.19
169800	RG-174⊕	1	0.5	5.59	4.99	4.55
163855	RG-174 ₹	1	1	4.49	3.95	3.39
153382	RG-174 ≉	1	2	4.95	4.29	3.39
153391	RG-174 	1	4	5.49	4.75	4.29
159451	RG-174 	1	6	6.79	6.15	5.55
175127	RG-174 2	2	0.5	4.49	3.95	3.49
175134	RG-174⊕	O 2	1	4.95	4.25	3.75
175143	RG-174 ₹	3	0.5	5.75	5.25	4.49
175152	RG-174 ≉	3	1	6.25	5.75	4.75
175169	RG-174⊕	4	0.5	4.29	3.65	2.87
175178	RG-174 ₹	4	1	5.29	4.79	3.95

Crimping Tools on page 292



🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. 🗈 Details o

160022

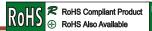
160013

161306

2.45

2.19







BEAU Terminal Blocks

- 0.375" double row
- · Current rating: UL rated 15A @ 300V, #14AWG
- Wire AWG range: 12 24AWG
- Insulation resistance: >5000M Ω
- · Terminal: brass, nickel plated
- · Dielectric withstanding voltage: 7500VDC
- Insulator: thermoplastic, UL94V-0
- · Screws: #6-32 steel, zinc chromate plate

Part No.	Product No.	Beau No.	Pos. 1	25	50
659391	38770-0102₹	77002♠	2 \$.74	\$.65	\$.60
659403	38770-0103₹	77003♠	3 80	.74	.65
659411	38770-0104	77004♠	498	.89	.71
659420	38770-0105₹	77005♠	5 1.21	1.16	.92
659438	38770-0106₹	77006♠	6 1.69	1.43	1.41
659446	38770-0107₹	77007♠	7 1.59	1.43	1.15
659454	38770-0108 	77008♠	8 1.89	1.71	1.37
659462	38770-0109₹	77009♠	9 2.6 5	2.43	2.29
659471	38770-0110 2	77010♠	10 2.25	2.05	1.64
659489	38770-0112₹	77012♠	12 2.45	2.33	1.86
659497	38770-0114	77014♠	14 2.99	2.76	2.20
659500	38770-0115₹	77015♠	15 2.85	2.69	2.39
659518	38770-0116₹	77016♠	16 3.39	3.12	2.49
659526	38770-0118₹	77018	18 4.59	4.37	4.16
659534	38770-0120 2	77020♠	20 3.95	3.87	3.09
659542	38770-0122 	77022♠	22 4.45	4.10	3.27
659551	38770-0124	77024♠	24 4.65	4.56	3.64
659569	38770-0130₹	77030♠	30 6.15	5.64	4.49

Cinch

Double Row Barrier Blocks

- Voltage rating: 250VAC RMS max.
- · Eyelet material: brass with nickel plating
- · Insulation: molded mono block,

- general purpose phenolic, black, UL94V-1 Screw material: steel w/ nickel over copper flash plating
- Solder terminal material: brass w/ electro-tin plating
- 140 Series 15A
- · 3750-watts/terminal max.

231378

- 16 AWG wire max.
 Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" Density: 0.375"

Part No.	Prod. No.	Pos.	Length	1	10	100
230973	2-140🕿	2	1.41"	\$.99	\$.89	\$.74
230981	3-140🗷	3	1.78"	1.25	1.11	.83
230990	4-140%	4	2.16"	1.45	1.29	1.05
231001	5-140🕿	5	2.53"	1.59	1.44	1.18
231010	6-140 2	6	2.91"	1.99	1.79	1.48
231028	7-140🗷	7	3.28"	2.19	1.95	1.59
231036	8-140🕿	8	3.66"	2.49	2.24	1.83
231052	10-140 	10	4.41"	3.25	2.89	2.35
231061	12-140🗷	12	5.16"	3.55	3.15	2.59

- 141 Series 20A
- · 5000-watts/terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" · Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231351	2-141 2	2	1.63"	\$.99	\$.85	\$.72
231378	4-141	4	2.50"	1.79	1.59	1.25
231394	6-141	6	3.38"	1.95	1.75	1.42
231415	8-141	8	4.25"	2.79	2.35	1.94
231431	10-141 	10	5.13"	3.19	2.79	2.29
231440	12-141 	12	6.00"	3.59	3.29	2.69

To Find Additional Cinch Double Barrier Blocks, Visit www.Jameco.com/Prod/Cinch2RBlocks

Terminal Blocks and Header



· For detailed specifications, please see our website at www.Jameco.com

• 164814: Male header (.197") for use with 164793 and 164806 Blue Part No. = Limited Quantity Available



Fig. 1 (99398)



Fig.2 (160784)













057

Fig. 3 (161067) Fig. 4 (189675)











Fig. 5 (1		10mm →		11111					
Fig. 5 (1	04173)	Top View		++++	++++++	Fig. 9 (164814	1) use w/	Fig. 5 & 6	5
Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99427	Dinkle	DT128/2	1	2	0.197"/5mm	\$.72	\$.55	\$.44	\$.40
99398	Dinkle	DT128V3P ≈	1	3	0.197"/5mm	99	.89	.79	.59
160784	Dinkle	EK500V-02P ⊕	2	2	0.197"/5mm	65	.55	.45	.39
160793	Dinkle	EK500V-03P ₹	2	3	0.197"/5mm	95	.85	.75	.69
161067	Dinkle	EK500A-02P ₹	3	2	0.197"/5mm		.65	.49	.39
161058	Dinkle	EK500A-03P⊕	3	3	0.197"/5mm	95	.85	.75	.69
189675	OST	EDC500/2DS⊕o	4	2	0.197"/5mm		.71	.64	.58
189667	OST	EDC500/3DS⊕	4	3	0.197"/5mm	89	.80	.72	.61
164793	OST	EDC130/2DS⊕	5	2	0.197"/5mm	59	.53	.47	.42
164806	OST	EDC130/3DS⊕	6	3	0.197"/5mm	84	.76	.62	.54
249084	OST	EDZ750/3 ⊕	7	3	0.200"/5.08mm	1.95	1.75	1.56	1.44
152346	OST	EDC120/2DS⊕	8	2	0.200"/5.08mm	65	.55	.45	.39
152354	OST	EDC120/3DS⊕	8	3	0.200"/5.08mm		.44	.39	.31
164814	OST	EDSTL130/24	9	24	0.197"/5mm	2.19	1.97	1.80	1.36

Cinch **Terminal Block Jumper**

For connecting between adjacent terminals or alternate terminals. Use with Series 140 terminal blocks, left.



	'	J	
Part No.	Product No. 1	25	50
659382	140J-1 % \$.22	\$.196	\$.182

Cinch Plua Buttons

- · Nickel plated steel
- · Spring tension prongs

448614



4	44
600	A
44	1

Part No.	Proa. No.	ноте рта.	cup Dia.	. 1	25
448622	41B ♠	0.375"	0.500"	\$.84	\$.67
448614	41C ♠	0.500"	0.656"	67	.532
448606	41V ♠	1.00"	1.156"	3.59	2.85

Barrier/Terminal Blocks

Terminal Blocks

· Polarization keys

Europa Terminal Blocks

- · Modular design
- Tubular contacts
- · Wire protectors

Dual/Tri Barrier Strips

- · Fast wiring
- Interrupted thread design

Interface Modules

These products ship from a separate warehouse and may not ship the same day. Each warehouse will

accrue separate shipping charges. Sorry, we're unable to ship COD. See Complete Buchanan Terminal/Barrier Blocks Offering at www.Jameco.com/Prod/BuchananBlocks

KULKA® 601 GP Series Double Row Terminal Blocks





188672 Base: general purpose phenolic; 150°C

- Screws: #6-32, binder head, phillips-slot Terminals: brass plated • Width (W): 1.12" .437" (11 mm) centers • Height (H): .50"
- 1100Vrms; 20A ratings; for 14-16 AWG wires
- Open block design UL/CSA/CE approved

Blue Part No. = Limited Quantity Available

Part	Product		Dime	nsions	S		
Number	Number	Poles	A"	B"	1	10	50
188699	601GP4	4	2.19	2.50	\$1.69	\$1.49	\$1.35
188681	601GP6 ≭	0 6	3.06	3.38	2.65	2.40	2.03
188672	601GP8	8	3.94	4.25	2.95	2.75	2.49
188664	601GP10	? 10	4.81	5.13	5.05	4.70	4.23
188701	601GP12	? 12	5.69	6.00	5.55	5.09	4.07

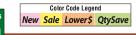
30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







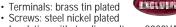
Metric Double Row Terminal Blocks

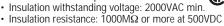
Lower \$\$\$ Quantity SAVE

208872

Body material: black thermoplastic (UL94V-0)

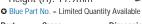
• 12-18 AWG

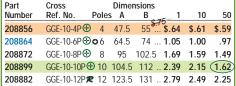




10A @ 600V

- · Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm





20A @ 600V

- · Screw size: M3.5
- Width (W): 22.0mm
- · Height (H): 13.2mm



Part	Cross		Dimer	nsions			
Number	Ref. No.	Poles	. A	В	1	10	50
207546	GGE-20-6P⊕						
207554	GGE-20-8P⊕	8	98.1	107.1	2.59	2.35	1.76
207563	GGE-20-10P ₹	10	119.9	128.9	3.29	2.99	2.69
207572	GGE-20-12P ≈	12	141.7	150.7	3.59	3.19	2.79

JAMECO **Value**Pro

European **Terminal Blocks**

215011

- Number of poles: 12 · 1.2mm raised base
- · Working temp.:
- 230°F (110°C) Voltage: 600V
- Terminal insert:
- brass metal alloy, nickel plated
- Material: Polyamide 66 (nylon 66), UL94V-2, natural · Wire protector: stainless steel spring

Quantity SAVE

- Screws: zinc plated, yellow chromed

Part No.	cross Rei.	Amps	AWG		10	100
215011	PA8H ≉	20A	12-22	\$1.79	\$1.59	\$1.29
	PA10H⊕					
215036	PA12H⊕	35A	10-22\$2	.5 ⁹ 2.35	1.99	1.50

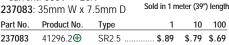


DIN Rail-Mounted Terminal Block & DIN Rail

248736

Foot snaps onto standard DIN and DIN 2 rails. Terminals are positively retained on rails, but can be removed without disturbing adjacent units.

- Molded thermoplastic • 14-22 AWG
- Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A



237083 41296.2⊕ SR2.5	Part No.	Product No.	Туре	1 10	100
248736 2094.0₹ TS35 x 7.5 6.79 5.45 4.10	237083	41296.2⊕	SR2.5 \$.89	\$.79	\$.69
	248736	2094.0	TS35 x 7.5 6.7 9	5.45	4.10

Propur **Terminals**



Panduit terminals are designed for fast, consistent installation and lasting reliability.

489256: High Temp. Non-Insulated Ring Terminal

- 600V; 343°C (650°F) operating temperature
- Brazed seam assures a reliable crimp
- Internally beveled for easy wire insertion Extended length is easier to crimp and assures good quality wire contact

489361/489379/489387:

Nylon Insulated Funnel Entry Ring Terminal

- 600V; 105°C (221°F) operating temperature
- · Insulation may be crimped to the wire insulation to add strain relief and resistance to pull-out
- Metal insulation crimp provides double crimp with insulation grip sleeve for high vibration or conductor strain environments
- Funnel entry speeds wire insertion

489221: Supra-Grip™ Nylon Fully Insulated Female Disconnect

- Integrated metal insulation grip to meet double Color coded insulation crimp requirements
- Internal wire barrel serrations for maximum wire tensile strength · Funnel entry
- · Minimum order 1000 pieces

Part No.	Product No.	AWG/Blade	1000	5000
489256	P14-6RHT6-M ♠	16-14/#6	\$.117	\$.111
489361	PNF10-10R-D ♠	12-10/#10	311	.295
489379	PNF14-6R-C ◆	16-14/#6	63	.56
489387	PNF18-10R-M ♠	22-18/#10	23	.22
489221	DNG14-250FB-M	16-14/.250 16-	181	.172

(H)

Solderless Terminal Crimping Tool

· Crimps solderless terminals: 18-22 AWG red, 14-16

AWG blue and 10-12 AWG yellow Size: 9.0"L x 2.0"W

Part No.	Product. No.	1	10	25
72996	HT303 ₹	\$18.95	\$16.11	\$12.08

Electrical Connector Kits 3M

651989 651997 651954

Part No.	Description	1	10	25
651954	79 pc. electrical kit 2 \$	17.25	\$15.29	\$13.73
651989	28 pc. 12-10AWG term. kit 🗷	8.99	7.99	7.19
651997	Asst. quick connect kit ₹	7.99	7.16	6.43
652009	Asst. splice connect kit ₹	8.99	7.99	7.19
652041	Heatshrink splice kit ₹ 1	14.89	13.19	11.85

652009

652041

171-Pc. Solderless Terminal Kit

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	-
15	Ring term.	16-14	#6	10	Butt conn.	16-14	-
10	Ring term.	16-14	#8	5	Butt conn.	12-10	_

170 Terminals and Connectors!

- Clear, hinged plastic box
- Use crimping tool P/N 72996, below left



10989 Terminal kit⊕ \$8.95 \$7.95 \$7.2	Part No.	Description	1	10	25
	10989	Terminal kit⊕	\$8.95	\$7.95	\$7.25

Wire Connectors







- · Material: UL approved nylon 66, 94V2
- · Quick and secure method to splice control wires
- Strip wire before application Twist on type
- · Material: PVC with metal spring, except: P/N 182449 nylon 66, 94-2 and P/N 140716 PE - metal inside

182449: UL/CSA approved

· Minimum order 10 pieces

Part No.	Description	Color	10		1000
182449	Crimp 16-14 AWG⊕*	Nat	\$.60	\$.055	\$.041
182511	Wire nut 16 AWG ⊕	Blue	045	.04	.035
140716	Wire IDC 22-18 AWG ⊕	Red	15	.14	.10

^{*} Requires crimping tool (P/N 72996, left)

Telecom Splice Connectors

· Provides clean, solid, and rapid connection of wires to keep communication lines free of noise

Available to handle a wide range of conductor sizes

169755: Y-type

Part No

169747

169755

· Minimum order 10 pieces Color

Red 2



169747

Scotchlok™ IDC 3M**Communications Connector**

Wire

Gauge

19-26

Yellow ₹ 22-26

Used for tap splicing voice and data communication cables with solid copper single-conductor wires.

• 25 pieces per pkg.

Blue Part No. = Limited Quantity Available

Part No. Product No. Description 10 652033 03721**₹⊙** Yellow \$6.99 \$6.25 \$5.61

3M Connector Crimp Tool

This E-9Y Scotchlok connector crimp tool is used for crimping Scotchlok IDC telecom splices.



This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



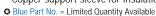
526820

524146

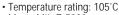
P.I.D.G. (Pre-Insulated Diamond Grip) **Nylon Insulated Terminals**

Designed for complete and uniform reliability. Nylon insulated terminals feature a tin plated copper body with a copper sleeve fitted over the terminal barrel to provide maximum insulation support.

- · High dielectric strength
- Funnel ramp entry
- · Copper support sleeve for insulation







• Meets MIL-T-7928



Yellow \$.33 .24

.204

.327

.172

.218



	•		•		•			
Ring Tor	ngue Term	inals	;			* Minimur	n order	5 pieces
Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	5	50
302607	323914🕿	1	#4	26-22	Yellow	\$.20	\$.179	\$.134
302615	323915	1	#6	26-22	Yellow	21	.208	.186
302658	31880	1	#4	22-16	Red	*	.153	.147
527321	36149♠	1	#6	22-16	Red	25	.213	.176
302666	36152 	1	#6	22-16	Red	20	.145	.133
527312	51863♠	1	#6	22-16	Red	20	.162	.135
302674	31890🕿	1	#8	22-16	Red	20	.15	.133
526707	320551♠	1	#8	22-16	Red	20	.13	.122
527275	36153	1	#10	22-16	Red	20	.148	.13
302682	36154 	1	#10	22-16	Red	20	.15	.133
302691	31894🕿	1	1/4"	22-16	Red	20	.181	.135
302720	320619🗷	1	#6	16-14	Blue	*	.151	.137
302738	320565🕿	1	#8	16-14	Blue	20	.145	.133
302746	36160₹	1	#10	16-14	Blue	20	.145	.108
302754	321045🗷	1	1/4"	16-14	Blue	20	.169	.162
302797	35108	1	#8	12-10	Yellow	20	.189	.171
527224	320568♠	1	#8	12-10	Yellow	20	.175	.155
302800	35109	1	#10	12-10	Yellow	20	.189	.171
527208	36161♠	1	#10	12-10	Yellow	*	.131	.119
302818	35110₹	1	1/4"	12-10	Yellow		.327	.218

35112 Spade Tongue Terminals

351112

302826

302834

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1 5	50
302851	328394	2	#2	22-16	Red \$.2	\$.208	\$.185
302869	327717🇷	2	#4	22-16	Red20	.253	.225
302877	34541🕿	2	#6	22-16	Red20	.145	.133
302885	32053	2	#8	22-16	Red3	.264	.227
302893	32054	2	#10	22-16	Red20	.179	.134
302906	35559₹	2	#6	16-14	Blue2	.208	.161
302914	32059	2	#8	16-14	Blue	.17	.128
302922	321233🗷	2	#8	16-14	Blue24	.236	.21
302931	32060₹ 🙃	2	#10	16-14	Blue2	.198	.186
302949	326859	2	#6	12-10	Yellow42	.357	.268
302957	32588	2	#8	12-10	Yellow3	.309	.275

12-10

12-10

5/16"

3/8"

Flanged Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	5	50
302990	32498	3	#8	22-16	Red Blue	\$.50	\$.451	\$.338
303010	320862	3	#8	16-14	Blue	*	.167	.125

Short Spring Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	5	50
303141	52942 2	4	#8	12-10	Yellow	.\$.36 \$.26	\$.22	\$.196

Save Big! Special Values!

New Lower Prices = Orange Exceptional Quantity Discounts = Green

P.I.D.G. Insulated Terminals (Continued)

				100		100	-	
Butt & F	Knife Disco	nnec	t Splices	Fig.	5	Fig. 6	4	Fig. 7
Part No.	Product No.	Fig.	Description	Wire (AWG)	Color	1	5	50
303167	323994	5	Butt	26-22	Yellow	\$.39	\$.369	\$.349
527574	323975♠	5	Butt	24-20	Natural	35	.321	.281
303175	320559🕿	5	Butt	22-16	Red	57	.496	.378
303183	320562	5	Butt	16-14	Blue	44	.374	.317
303191	320570₹	5	Butt	12-10	Yellow	75	.74	.68
303212	32448	6	Knife discon	n 16-14	Rlue	31	29	274

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	5	50
303247	640923-1	7	.110 x .020	22-18	Red	\$.21	\$.20	\$.15
303255	640917-1 2	7	.187 x .020	22-18	Red	20	.162	.157
303263	640909-1 2	7	.205 x .020	22-18	Red	22	.214	.163
303280	640903-1 2	7	.250 x .032	22-18	Red	20	.16	.13
525034	640903-2♠	7	.250 x .032	22-18	Red	20	.143	.13
303301	640919-1 2	7	.187 x .020	16-14	Blue	22	.214	.163
303319	640915-1 2	7	.205 x .032	16-14	Blue	22	.214	.163
303327	640905-1 2	7	.250 x .032	16-14	Blue	20	.162	.16
525042	640905-2♠	7	.250 x .032	16-14	Blue	20	.116	.105
303343	640907-1 2	7	.250 x .032	12-10	Yellow	25	.237	.166
		_		_				

To Find Additional Products, Visit www.Jameco.com/Prod/AMPTerminals

Fast-On Insulated Terminals

524103

524120

- One-piece fully insulated fast-on receptacle/tab with insulation crimp prevents shock and short hazards
- · Designed for full mating with a variety of tabs and receptacles including those with shoulders
- Funnel wire entry and wire stop
- Assemblies contain wire size and tab size designation as well as color-coded for wire gauge designation
- · Prepackaged: please order in increments of 100

Ultra-Fast Fully Insulated Receptacle Assembly (0.110"/0.125")

Part No.	Product No.	Width	AWG	Color	Terminal 100	500	1000			
524103	2-520084-2♠	.239"	22-18	Red	Brass, tin plated \$.131	\$.117	\$.106			
Ultra-Fast Fully Insulated Receptacle Assembly (0.187")										
Part No.	Product No.	Width	AWG	Color	Terminal 100	500	1000			
524197	2-520182-2♠	0.300"	22-18	Red	Brass, tin-plated \$.12	\$.114	\$.105			
524226	2-520194-2♠	0.300"	22-18	Red	Brass, tin-plated15	.143	.11			
524306	2-520335-2♠	0.300"	22-18	Red	Brass, tin-plated20	.178	.157			
526820	3-350816-2♠	0.300"	16-14	Blue	Brass, tin-plated124	.109	.094			
Ultra-Fa	ast Fully Insu	ılated	Tab A	ssem	bly (0.250")					
Part No.	Product No.	Width	AWG	Color	Terminal 100	500	1000			
524120	2-520103-2♠	0.487"	22-18	Red	Brass, tin-plated \$.19	\$.171	\$.159			

Solder, Fast-On Tab, PC Mount (0.250")

Part No.	Product No.	Width A	WG Color	Terminal 1	00 500	1000
526619	62409-1♠	0.250" -		Tin over copper \$.	06 \$.054	\$.042

Ultra-Fast Fully Insulated Receptacle Assembly (0.250")

Part No.	Product No.	Width	AWG	Color	Terminal	100	500	1000
524218	2-520184-2♠	0.373"	22-18	Red	Brass, tin-plated \$.	12	\$.11	\$.10
524293	2-520264-2♠	0.373"	22-18	Red	Brass, tin plated	152	.143	.119
524331	2-520407-2♠	0.373"	22-18	Red	Brass, tin-plated	.17	.161	.152
526838	3-350820-2♠	0.373"	16-14	Blue	Brass, tin-plated	.13	.123	.114
524171	3-520141-2♠	0.373"	16-14	Blue	Brass, tin-plated	.20	.144	.124
524349	3-520408-2♠	0.373"	16-14	Blue	Brass, tin-plated	.17	.153	.137
524373	4-520448-2♠	0.373"	12-10	Yellow	Brass, tin-plated	25	.22	.164

[♦] This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

524146

.158

Insulkrimp® Solderless Terminals



- Designed for dense packaging requirements: the profile height is lower than other competing products on the market
- Translucent "see-through" insulator provides fast, on-line quality control inspection by allowing a quick visual check of the wire/terminal assembly
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back
- · A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires

Female Quick Disconnect

		10.1	Dranadianad, places order i		o of 100
 IVIate 	erial: brass • P	VC insulation	Prepackaged: please order in	mcrement	5 01 100
Part No	. Product No.	AWG/Color	Tab Size (in.)	0 500	1000
489627	19003-0001-C 	18-22/Red	0.250 x 0.032 \$.15	\$.133	\$.105
489635	19003-0011-C 	18-22/Red	0.187 x 0.020 .15	.133	.105
489643	19003-0017-C	18-22/Red	0.187 x 0.032 .11	.105	.086
489651	19003-0024-C 	18-22/Red	0.110 x 0.020 .11	.105	.086
489660	19003-0030-C 	18-22/Red	0.110 x 0.032 .10	.095	.076
489678	3 19003-0040-C 	14-16/Blue	0.250 x 0.032 .10	.087	.076
489694	19003-0050-C 	14-16/Blue	0.187 x 0.020 .11	.095	.086
489715	19003-0056-C 	14-16/Blue	0.187 x 0.032 .15	5 .124	.095
489686	19003-0044-C 	14-16/Blue	0.250 x 0.032	.14	.112

Rina Tonaue

iyuc		Quantity SAVE				
l: copper • PV	C insulation					
Product No.	AWG/Color	Stud Size	Width (in.)	100	500	1000
19070-0008-C 	18-22/Red	3-4	0.235	\$.11	\$.108	\$.105
19070-0033-C ♠	18-22/Red	3/8	1.259	19	.165	.132
19070-0015-C ♠	18-22/Red	10	0.896	14	.114	.095
19070-0013-C ◆	18-22/Red	8	0.896	.09	.086	.076
19070-0044-C ◆	18-22/Red	8	0.807	11	.10	.09
19070-0040-C 	18-22/Red	5-6	0.807	. 143	.114	.095
19070-0005-C ◆	18-22/Red	1-2	0.709	11	.096	.077
19070-0007-C ◆	18-22/Red	3-4	0.709	11	.096	.077
19070-0009-C ◆	18-22/Red	5-6	0.709	11	.105	.095
19070-0023-C ♠	18-22/Red	1/4	0.477	15	.133	.105
19070-0038-C ◆	18-22/Red	3-4	0.264	11	.10	.09
19070-0069-C ◆	14-16/Blue	5-6	0.785	14	.114	.095
19070-0071-C ◆	14-16/Blue	8	0.785	11	.105	.095
19070-0065-C ◆	14-16/Blue	1-2	0.260	11	.10	.09
19070-0075-C	14-16/Blue	1/4	1.062	.15	.128	.096
19070-0078-C 	14-16/Blue	5/16	1.062	11	.105	.095
19070-0083-C ◆	14-16/Blue	5-6	0.865	11	.105	.095
19070-0086-C ◆	14-16/Blue	8	0.865	.095	.086	.076
19070-0090-C ◆	14-16/Blue	10	0.865	14	.114	.095
19070-0099-C ◆	14-16/Blue	8	0.921	11	.105	.095
19070-0102-C 	14-16/Blue	10	0.921	114	.105	.086
	: copper PV Product No. 19070-0008-C 19070-0033-C 19070-0015-C 19070-0013-C 19070-004-C 19070-0005-C 19070-0007-C 19070-0023-C 19070-0038-C 19070-0075-C 19070-0075-C 19070-0075-C 19070-0075-C 19070-0075-C 19070-0075-C 19070-0075-C 19070-008-C 19070-008-C 19070-008-C	: copper • PVC insulation Product No. AWG/Color 19070-0008-C 18-22/Red 19070-0015-C 18-22/Red 19070-0013-C 18-22/Red 19070-0044-C 18-22/Red 19070-0040-C 18-22/Red 19070-0005-C 18-22/Red 19070-0009-C 18-22/Red 19070-0038-C 18-22/Red 19070-0038-C 18-22/Red 19070-0038-C 18-22/Red 19070-0069-C 14-16/Blue 19070-0065-C 14-16/Blue	Ecopper • PVC insulation Product No. AWG/Color Stud Size 19070-0008-C♣ 18-22/Red 3-4 19070-0015-C♠ 18-22/Red 10 19070-0013-C♠ 18-22/Red 8 19070-0044-C♠ 18-22/Red 5-6 19070-0005-C♠ 18-22/Red 1-2 19070-0007-C♠ 18-22/Red 3-4 19070-0007-C♠ 18-22/Red 3-4 19070-0007-C♠ 18-22/Red 3-4 19070-0003-C♠ 18-22/Red 3-4 19070-003-C♠ 18-22/Red 3-4 19070-003-C♠ 18-22/Red 3-4 19070-003-C♠ 14-16/Blue 5-6 19070-007-C♠ 14-16/Blue 1-2 19070-0075-C 14-16/Blue 1-2 19070-008-C♠ 14-16/Blue 1-4 19070-008-C♠ 14-16/Blue 5-6 19070-008-C♠ 14-16/Blue 10 19070-009-C♠ 14-16/Blue 10	Product No. AWG/Color Stud Size Width (in.) 19070-0008-C♣ 18-22/Red 3-4 0.235 19070-0033-C♣ 18-22/Red 3/8 1.259 19070-0015-C♣ 18-22/Red 10 0.896 19070-0013-C♣ 18-22/Red 8 0.896 19070-0044-C♣ 18-22/Red 8 0.807 19070-0040-C♣ 18-22/Red 5-6 0.807 19070-0005-C♣ 18-22/Red 1-2 0.709 19070-0007-C♠ 18-22/Red 3-4 0.709 19070-0009-C♠ 18-22/Red 3-4 0.709 19070-0092-C♠ 18-22/Red 3-4 0.709 19070-0032-C♠ 18-22/Red 3-4 0.709 19070-0032-C♠ 18-22/Red 3-4 0.264 19070-0038-C♠ 14-16/Blue 5-6 0.785 19070-0071-C♠ 14-16/Blue 5-6 0.785 19070-0075-C 14-16/Blue 1-2 0.260 19070-0078-C♠ 14-16/Blue 5/16 <t< th=""><th>Copper • PVC insulation Product No. AWG/Color Stud Size Width (in.) 100 19070-0008-C◆ 18-22/Red 3-4 0.235 \$.11 19070-0033-C◆ 18-22/Red 3/8 1.259 19 19070-0015-C◆ 18-22/Red 10 0.896 .09 19070-0013-C◆ 18-22/Red 8 0.896 .09 19070-0044-C◆ 18-22/Red 8 0.807 .11 19070-0040-C◆ 18-22/Red 5-6 0.807 .14 19070-0005-C◆ 18-22/Red 1-2 0.709 .11 19070-0007-C◆ 18-22/Red 3-4 0.709 .11 19070-0090-C◆ 18-22/Red 5-6 0.709 .11 19070-0032-C◆ 18-22/Red 3-4 0.709 .11 19070-0038-C◆ 18-22/Red 3-4 0.264 .11 19070-0038-C◆ 14-16/Blue 5-6 0.785 .14 19070-0071-C◆ 14-16/Blue 5-6 0.785</th><th>PVC insulation Product No. AWG/Color Stud Size Width (in.) 100 500 19070-0008-C♣ 18-22/Red 3-4 0.235 \$.11 \$.108 19070-0033-C♣ 18-22/Red 3/8 1.259 .19 .165 19070-0015-C♣ 18-22/Red 10 0.896 .14 .114 19070-0013-C♣ 18-22/Red 8 0.896 .09 .086 19070-0044-C♠ 18-22/Red 8 0.807 .11 .10 19070-0040-C♠ 18-22/Red 5-6 0.807 .11 .096 19070-0005-C♠ 18-22/Red 1-2 0.709 .11 .096 19070-0007-C♠ 18-22/Red 3-4 0.709 .11 .096 19070-0009-C♠ 18-22/Red 5-6 0.709 .11 .105 19070-0023-C♠ 18-22/Red 3-4 0.264 .11 .10 19070-0038-C♠ 18-22/Red 3-4 0.264 .11 .10</th></t<>	Copper • PVC insulation Product No. AWG/Color Stud Size Width (in.) 100 19070-0008-C◆ 18-22/Red 3-4 0.235 \$.11 19070-0033-C◆ 18-22/Red 3/8 1.259 19 19070-0015-C◆ 18-22/Red 10 0.896 .09 19070-0013-C◆ 18-22/Red 8 0.896 .09 19070-0044-C◆ 18-22/Red 8 0.807 .11 19070-0040-C◆ 18-22/Red 5-6 0.807 .14 19070-0005-C◆ 18-22/Red 1-2 0.709 .11 19070-0007-C◆ 18-22/Red 3-4 0.709 .11 19070-0090-C◆ 18-22/Red 5-6 0.709 .11 19070-0032-C◆ 18-22/Red 3-4 0.709 .11 19070-0038-C◆ 18-22/Red 3-4 0.264 .11 19070-0038-C◆ 14-16/Blue 5-6 0.785 .14 19070-0071-C◆ 14-16/Blue 5-6 0.785	PVC insulation Product No. AWG/Color Stud Size Width (in.) 100 500 19070-0008-C♣ 18-22/Red 3-4 0.235 \$.11 \$.108 19070-0033-C♣ 18-22/Red 3/8 1.259 .19 .165 19070-0015-C♣ 18-22/Red 10 0.896 .14 .114 19070-0013-C♣ 18-22/Red 8 0.896 .09 .086 19070-0044-C♠ 18-22/Red 8 0.807 .11 .10 19070-0040-C♠ 18-22/Red 5-6 0.807 .11 .096 19070-0005-C♠ 18-22/Red 1-2 0.709 .11 .096 19070-0007-C♠ 18-22/Red 3-4 0.709 .11 .096 19070-0009-C♠ 18-22/Red 5-6 0.709 .11 .105 19070-0023-C♠ 18-22/Red 3-4 0.264 .11 .10 19070-0038-C♠ 18-22/Red 3-4 0.264 .11 .10

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19070-0109-C 10-12/Yellow 1/2

19070-0121-C 10-12/Yellow 8

19070-0123-C 10-12/Yellow 10

19070-0130-C 10-12/Yellow 10

19070-0136-C 10-12/Yellow 5/16

19070-0143-C 10-12/Yellow 5-6

19070-0145-C♠ 10-12/Yellow 8

19070-0150-C 10-12/Yellow 1/4

19070-0153-C 10-12/Yellow 3/8

19070-0155-C 10-12/Yellow 5/16

Butt-Splice

490812

490821

490839

514845

490847

490855

490863

490871

514853

490880

490898

 Materia 	al: copper • P\	/C insulation	 503071/503100: seamless barrel 					
Part No.	Product No.	AWG/Color	Length (in.)	100	500	1000		
503062	19154-0004-C 	18-22/Red	0.960	\$.105	\$.086	\$.067		
503071	19154-0011-C ♠	18-22/Red	1.035	124	.114	.095		
503089	19154-0015-C ♠	14-16/Blue	0.975	10	.086	.067		
503100	19154-0023-C ◆	14-16/Blue	1.08	07	.069	.06		
503118	19154-0028-C ♠	14-16/Blue	1.135	8	.07	.065		

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Insulkrimp® Solderless Terminals (Continued)

Spade Tongue

 Material 	: copper • PV	'C insulation	Prepack	aged: please or	der in in	crements	of 100
Part No.	Product No.	AWG/Color	Stud Size	Width (in.)	100	500	1000
502879	19144-0001-C ◆	18-22/Red	5-6	0.326	\$.09	\$.086	\$.076
502887	19144-0003-C ◆	18-22/Red	8	0.326	09	.086	.076
502916	19144-0015-C ◆	14-16/Blue	5-6	0.255	10	.095	.086
502924	19144-0018-C ◆	14-16/Blue	5-6	0.305	10	.086	.067
502932	19144-0020-C ◆	14-16/Blue	8	0.305	106	.097	.087
502959	19144-0024-C ◆	14-16/Blue	8	0.372	11	.096	.067
502967	19144-0026-C ◆	14-16/Blue	10	0.372	14	.114	.095
502975	19144-0037-C ◆	14-16/Blue	10	0.385	13	.109	.09
502983	19144-0039-C ◆	10-12/Yellow	8	0.385	169	.142	.123
502991	19144-0042-C ◆	10-12/Yellow	10	0.385	13	.109	.091
503003	19144-0046-C ◆	10-12/Yellow	1/4	0.543	237	.133	.104

Step Down Butt Connectors

The perfect solution when 2 wires need to be inserted in one end of a splice and a single wire in the other end.

· PVC insulation

Part No.	Product No.	AWG	Description	100	500	1000
503097	19154-0022-C 	14-16 to 18-22	Blue w/ red stripe	\$.35	\$.341	\$.337
503126	19154-0035-C♠	10-12 to 14-16	Yellow w/ blue stripe	43	.399	.38
491946	19154-0044-C ◆	8 to 10-12	Red w/ yellow stripe	58	.55	.539
494856	19215-0023-C ♠	10-12 to 14-16	Non-insulated	57	.466	.361

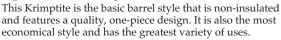
Snap Plugs

· Material: copper PVC insulation • Thickness: 0.032" max. • Color: blue

Part No.	Product No.	AWG	Barrel Length	Diam.	Max. Length	100	500	1000
490311	19034-0009-C ◆	14-16	0.254"	0.156"	0.890"	\$.11	\$.095	\$.086



Krimptite[™] Solderless Terminals



Spade Terminals

 Material: copper Non-insulated Prepackaged: please order in increments of 100 Part No. Stud Size Width (in.) Product No. AWG 100 500 1000 502836 19141-0098-C**◆** 24-26 0.213 \$.029 \$.025 4 \$.027 502705 19141-0022-C**◆** 18-22 .032 .03 5-6 502692 19141-0020-C**◆** 18-22 .032 .03 502748 19141-0058-C**★** 14-16 8 .027 .025 502730 .027 .025 0.385 502801 19141-0085-C**★** 10-12 .064 .061 .058

Uninsulated Flag Terminal

• Use with 0.250 x 0.032 flags No vibration support

19008-0038-C 12-14

Barrel Part No. Product No. AWG Length Diam. Length 100 500 0.312"



0.319" Versakrimp[™] Solderless Terminals

0.621"

..... \$.152

When the butted seam Krimptite barrel is bonded with a special brazing alloy, it becomes a Versakrimp barrel. These brazed-seam barrel terminals and splices will not open under conditions of stress or wire pull. As versatile as it is tough, it can be crimped under most adverse conditions by many types of tooling. The Versakrimp is ideal for hard-to-crimp solid and stranded wires.



494469

\$.143

1000

\$.124

Butt Splice

 Seamless barrel Material: copper Prepackaged: please order in increments of 100

Part No.	Product No.	AWG	Diam.	Diam.	Length	100	500	1000
494469	19215-0009-C 	18-22	0.059"	0.130"	0.675"	\$.067	\$.06	\$.048
494477	19215-0018-C 	14-16	0.091"	0.160"	0.675"	114	.105	.086
494485	19215-0028-C 	10-12	0.138"	0.223"	0.827"	124	.114	.095
Butt Sp.	lice w/ Seamle	ess Ba	rrel					
494493	19215-0034-V ♠	8	0.165"	0.295"	0.864"	\$.181	\$.171	\$.162

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Avikrimp® Solderless Terminals



The Avikrimp® version of the fully insulated quick disconnects gives you the extra advantage of the secure metal support sleeve. These parts fulfill the double crimp (support) requirements of VDE and other DIN specifications.



Prepackaged: please order in increments of 100

Female Quick Disconnect w/ Vibration Support

Part No.	Product No.	AWG/Color	Length	Tab Size (in.)	100	500	1000
490177	19019-0004-C ◆	18-22/Red	0.789"	0.110 x 0.032	\$.143	\$.114	\$.095
490169	19019-0001-C 	18-22/Red	0.789"	0.110 x 0.020	19	.152	.124
490185	19019-0006-C ◆	18-22/Red	0.789"	0.187 x 0.020	143	.114	.095
490206	19019-0012-C ◆	18-22/Red	0.865"	0.250 x 0.032	171	.143	.114
490231	19019-0027-C ◆	14-16/Blue	0.789"	0.187 x 0.020	143	.114	.095
490214	19019-0022-C ◆	14-16/Blue	0.789"	0.110 x 0.020	218	.181	.145
490249	19019-0028-C ◆	14-16/Blue	0.789"	0.187 x 0.032	143	.114	.095
490257	19019-0031-C ◆	14-16/Blue	0.865"	0.250 x 0.032	143	.114	.095
490281	19019-0052-C ◆	12-14/Yellow	0.865"	0.250 x 0.032	124	.114	.105
490265	19019-0037-C ♠	10-12/Yellow	1.011"	0.250 x 0.032	15	.134	.129

Male Quick Disconnect

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Part No.	Product No.	AWG/Color	Length	Tab Size (in.)	100	500	1000
489432	19001-0003-C 	18-22/Red	0.900"	0.187 x 0.020	\$.187	\$.178	\$.169
489441	19001-0006-C 	14-16/Blue	0.960"	0.250 x 0.032	323	.266	.219
489467	19001-0010-C ♠	10-12/Yellow	1.080"	0.250 x 0.032	38	.323	.257

Female	Female Quick Disconnect						555
Part No.	Product No.	AWG/Color	Length	Tab Size (in.)	100	500	1000
489475	19002-0001-C	18-22/Red	0.890"	0.250 x 0.032	\$.183	\$.156	\$.144
489491	19002-0009-C 	18-22/Red	0.800"	0.187 x 0.032	295	.247	.20
489504	19002-0013-C ◆	18-22/Red	0.800"	0.110 x 0.020	171	.162	.154
489512	19002-0016-C ◆	18-22/Red	0.800"	0.110 x 0.032	15	.143	.136
489521	19002-0019-C ◆	18-22/Red	0.800"	0.205 x 0.020	138	.131	.125
489539	19002-0021-C ◆	18-22/Red	0.800"	0.205 x 0.032	138	.131	.125
489547	19002-0024-C ◆	14-16/Blue	0.890"	0.250 x 0.032	183	.174	.165
489555	19002-0028-C ◆	14-16/Blue	0.800"	0.187 x 0.020	295	.247	.20
489563	19002-0031-C ◆	14-16/Blue	0.800"	0.187 x 0.032	295	.247	.20
489580	19002-0037-C ◆	14-16/Blue	0.800"	0.110 x 0.032	295	.247	.20
489598	19002-0040-C ◆	14-16/Blue	0.800"	0.205 x 0.020	138	.131	.125
489601	19002-0042-C ◆	14-16/Blue	0.800"	0.205 x 0.032	138	.131	.125
489619	19002-0044-C 	10-12/Yellow	1.040"	0.250 x 0.032	224	.205	.185

Fully Insulated Flag Quick Disconnects

Part No.	Product No.	AWG/Color	Width	Tab Size (in.)	100	500	1000
489854	19007-0001-C ◆	18-22/Red	0.390"	.250 x 0.032	\$.141	\$.135	\$.129
489871	19007-0021-C	14-16/Blue	0.390"	.250 x 0.032	127	.121	.115
489889	19007-0029-C 	14-16/Blue	0.390"	.187 x 0.020	127	.121	.115
489897	19007-0040-C	10-12/Yellow	0.390"	.250 x 0.032	266	.247	.228

Snap Plugs

· Material: brass

· Insulation: PVC

Part No.	Product No.	AWG/Color	Barrel Length	Diam.	Max. Length	100	500	1000
490345	19039-0001-C 	18-22/Red	0.420"	0.156"	1.01"	\$.133	\$.124	\$.114
490361	19039-0006-C 	14-16/Blue	0.420"	0.156"	1.01"	133	.124	.114
490370	19039-0009-C 	14-16/Blue	0.420"	0.180"	1.01"	143	.133	.124

Material: copper
 Thickness: 0.032" max.

490329: 0.145" max. wire insulation **490337**: 0.170" max. wire insulation

Part No.	Product No.	AWG/Color	Barrel Length	Diam.	Max. Length	100	500	1000
490329	19036-0003-C	18-22/Red	0.254"	0.156"	0.897"	\$.133	\$.13	\$.127
490337	19036-0008-C♠	14-16/Blue	0.254"	0.156"	0.897"	143	.133	.124

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

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Avikrimp® Solderless Terminals (Continued)

Spade 7	erminals		Prepack	kaged: please	order in ir	crements	s of 100
 Materia 	l: copper •	Nylon insula	tion				
Part No.	Product No.	AWG/Color	Stud Size	Width (in.)	100	500	1000
501622	19115-0001-C 	18-22/Red	5-6	0.270	. \$.19	\$.162	\$.124
501631	19115-0003-C ◆	18-22/Red	8	0.300	133	.124	.105
501665	19115-0009-C ◆	18-22/Red	5-6	0.260	152	.124	.095
501673	19115-0012-C ◆	18-22/Red	8	0.320	133	.124	.114
501690	19115-0016-C ◆	14-16/Blue	5-6	0.270	18	.151	.122
501711	19115-0020-C 	14-16/Blue	10	0.338	126	.12	.114
501702	19115-0018-C ◆	14-16/Blue	8	0.300	143	.124	.105
501817	19115-0079-C ◆	14-16/Blue	8	0.320	152	.143	.119
501729	19115-0024-C ◆	14-16/Blue	5-6	0.260	20	.171	.133
501737	19115-0031-C ♠	14-16/Blue	10	0.340	196	.163	.131
501745	19115-0033-C ◆	10-12/Yellow	5-6	0.300	19	.162	.112
501753	19115-0035-C ◆	10-12/Yellow	8	0.330	224	.187	.149
501809	19115-0048-C ◆	10-12/Yellow	10	0.340	237	.198	.171

Perma-Seal™ Solderless Terminals



Perma-Seal terminals and splices give you long-lasting, moisture-proofconnections that withstand water, salt, condensation, corrosion and heat, all of which cause serious problemsfor conventional, unsealed splices. The inner wall of the heat-shrinkable Perma-Seal sleeve is lined with a special hot-melt adhesive that is inert at room temperature, permitting wires to be inserted easily into the splices and terminals.

NiAc[™] insulation

Spade 1	Terminals		Prepackaged: please order in increments of 100					
Part No.	Product No.	AWG/Color	Stud Size	100	500	1000		
491225	19164-0007-C ♠	18-22/Red	8	\$.399	\$.361	\$.342		
491196	19164-0006-C ◆	18-22/Red	6	361	.323	.304		
491170	19164-0030-C ◆	14-16/Blue	10	58	.485	.38		
491233	19164-0029-C ◆	14-16/Blue	8	58	.485	.38		
491209	19164-0028-C ◆	14-16/Blue	6	58	.485	.38		
491188	19164-0072-C ◆	10-12/Yellow	10	74	.513	.343		
491321	19164-0162-C ◆	10-12/Yellow	8	52	.48	.46		
491217	19164-0069-C ◆	10-12/Yellow	6	74	.513	.343		
491250	19164-0073-C ◆	10-12/Yellow	1/4	74	.61	.488		

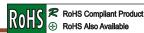
Ring Terminals

Dank Na	Dun dunk No	AMC/C-1	Chd C!	100	F00	1000
Part No.	Product No.	AWG/Color	Stud Size	100	500	1000
490986	19164-0003-C ◆	18-22/Red	10	\$.399	\$.361	\$.342
491065	19164-0086-C ♠	18-22/Red	8	399	.361	.342
491031	19164-0085-C ◆	18-22/Red	6	399	.361	.342
491081	19164-0004-C ◆	18-22/Red	1/4	66	.543	.435
491111	19164-0005-C ◆	18-22/Red	3/8	65	.541	.433
490994	19164-0034-C ◆	14-16/Blue	10	418	.399	.38
491049	19164-0033-C♠	14-16/Blue	8	418	.399	.38
491014	19164-0032-C ◆	14-16/Blue	6	418	.399	.38
491145	19164-0027-C ◆	14-16/Blue	5/16	69	.57	.456
491006	19164-0065-C ◆	10-12/Yellow	10		.409	.38
491057	19164-0062-C ◆	10-12/Yellow	8		.409	.38
491102	19164-0066-C ♠	10-12/Yellow	1/4		.409	.38
491137	19164-0068-C ◆	10-12/Yellow	3/8	74	.513	.343
491153	19164-0067-C ◆	10-12/Yellow	5/16	74	.61	.488

Quick Connect Couplers

Part No.	Product No.	AWG/Color	Gender	Tab Size (in.)	100	500	1000
490951	19164-0015-C ◆	18-22/Red	M	0.250 x 0.032	\$.399	\$.361	\$.342
490927	19164-0017-C ◆	18-22/Red	F	0.250 x 0.032	58	.485	.38
490960	19164-0048-C ◆	14-16/Blue	M	0.250 x 0.032	59	.494	.371
490935	19164-0050-C ◆	14-16/Blue	F	0.250 x 0.032	399	.361	.342
490978	19164-0075-C ◆	10-12/Yellov	v M	0.250 x 0.032	76	.64	.505
490943	19164-0076-C ◆	10-12/Yellov	v F	0.250 x 0.032	76	.64	.505

Solderless Terminals, Power Jacks & Plugs



⊕ RoHS Also Available

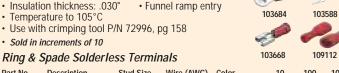


molex Perma-Seal™ Solderless Terminals (Continued)

Photos (Butt Spl	on previous pag lice	Prepackaged: ple	ease order in ir	ncrement	s of 100
Part No.	Product No.	AWG/Color	100	500	1000
491305	19164-0013-C ♠	18-22/Red	\$.51	\$.446	\$.412
491313	19164-0044-C ◆	14-16/Blue	48	.432	.393
492017	19164-0056-C ◆	10-12/Yellow	46	.42	.39

491989	19104-0079-0≢	8/Reu	1.42	1.18	.91
Butt Spl	ice Parallel So	lder	Lower \$\$\$		
Part No.	Product No.	AWG/Color	100	500	1000
491330	19164-0163-C	18-22/Red	\$.452	\$.411	\$.375
491971	19164-0164-C ◆	14-16/Blue		.359	.342

Vinyl Insulated Solderless Terminals



Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103684	Ring solderless 2	#6	22-16	Red	\$.11	\$.07	\$.05
103588	Spade solderless \$	#6	22-16	Red	13	.06	.05
103596	Spade solderless 2	#8	16-14	Blue	12	.068	.06

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106922	Female 🕿	.187"	22-16	Red	\$.12	\$.07	\$.05
103668	Female 🗷	.25"	22-16	Red	12	.07	.05
109112	Female w/ hood ₹	.25"	22-16	Red	17	.11	.055



molex Insulation Displacement Connectors (IDC)

Self-Tapping (ID) Tap & Run Multi-lock Connectors

They will tap-splice, pigtail-splice, parallel splice or in-line splice insulated copper wire conductors for a wide range of applications.

			Prepackaged: p	lease order i	in incremen	ts of 100
rt No.	Product No.	AWG	Description	100	500	1000

Part No.	Product No.	AWG	Description 100	500	1000
494522	19216-0003-C ◆	14-18	Blue insulation \$.091	\$.086	\$.06
494531	19216-0005-C ◆	18-22	Red insulation114	.105	.086

Ultimate Wire Tap

This Tap-And-Run splice is actually a fully insulated female quick disconnect that can be spliced onto a wire and then mated with a fully insulated male quick disconnect, without any special tools.



Part No.	Product No.	AWG	Description 100	500	1000
494549	19216-0009-C ◆	12	Yellow wire tap \$.182	\$.175	\$.168



Fully Insulated Couplers

These fully insulated nylon couplers are precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, which provides a fully insulated inline splice. This splice may be connected and disconnected without damage to the nylon insulation.



Male C	ouplers			Prepackaged: please order in increments of 100				
Part No.	Product No.	AWG	Color	Tab Size (in.)	100	500	1000	
489723	19004-0001-C ♠	18-22	Red	0.250 x 0.032	\$.155	\$.137	\$.117	
489731	19004-0005-C	14-16	Blue	0.250 x 0.032	104	099	094	

Female Couplers

i ciliale	Oupleis						
Part No.	Product No.	AWG	Color	Tab Size (in.)	100	500	1000
489758	19005-0001-C 	18-22	Red	0.250 x 0.032 \$.	124	\$.114	\$.095
489766	19005-0005-C	14-16	Blue	0.250 x 0.032	095	.09	.086
489774	19005-0010-C ♠	10-12	Yellow	0.250 x 0.032	219	.181	.143

Male & Female Power Jacks

Use with nDimension	nating is do r	power plu not include	igs, below barrel			
Terminals	Code]		Circuit 1	Circuit 2	Circuit 3
Solder eyelet	Α	[)			
PC board	В	_ w		The same of		AND DESCRIPTIONS
Mounting	Code] "			MANUAL -	100
Panel	С	-			100	
PCB	D	H	Type 1	Type 2	Type 3	Type 4
Panel & PCB	E]	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,,,	.,,,,,,	.,,
Cable	F	400105	io 🜆		200	
Quantity SA	AVE	E	i M	<i>y</i> 🤝		

Quantity	SAVE	1917	•	- 100	- Y	-	, fi			
Lower \$\$	\$	Гуре 5 Тур	e 6	Туј	pe 7 Ty	rpe 8		Туре	9	
Part	Cross	Dimensions	ns Type/ Circuit/		Mating Plug		Pri	cing		
Number	Ref. No.	H x W x D (mm)	Mount	Terminal	(below)	1	10	100	1000	
1.3 mm	Male Jacks			•	Blue Part No	. = Limi	ted Qua	intity Av	ailable	
101194	PP024⊕ ≎	6.0 x 6.0 x 9.0	7/D	1/B	1.3 mm F	\$.62	\$.48	\$.44	\$.36	
2.1 mm	2.1 mm Male Jacks									
101179	PP014 ₹	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm F	\$.49	\$.44	\$.39	\$.35	
137673	PP013 ₹	10.9 x 9.0 x 14.5	4/D	3/A	2.1 mm F	.40	.36	.32	.29	
151590	DPJ-02IA ₹	13.0 x 12.6 Dia.	6/C	1/A	2.1 mm F	1.09	.93	.70	.65	
151554	DPJ-026 ↔	15.1 x 8.0 Dia.	5/E	1/A	2.1 mm F	1.49	1.25	1.05	.89	
159611	PJ1014A ₹	35.8 x 12.6 Dia.	9/F	3/A	2.1 mm F	1.49	1.25	1.09	.89	
2.5 mm	Male Jacks									
207714	HEC0470 €	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm F	\$.45	\$.35	\$.28	\$.21	
101186	PP014A ⊕	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm F	.65	.58	.462	.395	
151563	DPJ-026A ₹	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm F	1.49	1.24	1.13	.99	
159506	PJ1015A ₹	35.8 x 12.6 Dia.	9/F	3/A	2.5 mm F	1.39	1.25	1.13	1.01	
202358	HD2388 ⊕	17.0 x 12.0 Dia.	6/C	3/A	2.5 mm F	1.09	.98	.88	.79	

109495

165730

8/C Male & Female Power Plugs

2/A

10.0 x 10.0 x 18.5 2/E

8.9 x 5.7 Dia.

PJ035PM **③** 10.5 x 9.0 x 8.8 | 3/C

.49

.36 .32

Use with mating power jacks found in table, above

3.5 mm Female Jacks PJ0352 ⊕

Solder eyelets 1mm diameter

PJ0354

- · Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 240-243
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280. to make custom length power cables, (pg 104)



Strain Relief (A)



.45 .40

3.5 mm M

3.5 mm M

3.5 mm M

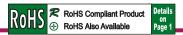
Female Right Angle (B) Strain Relief (C)

Part	Cross	Description	Dimensions (mm)			F	Pricing	
Number	Ref. No.	Plug ID x OD (mm)	S x L x ID (strain relief)	Туре	1	10	100	1000
Female Plugs © Blue Part No. = Limit								ailable
71192	PP137 ₹	1.3 x 3.5	9.6 x 43.9 x 4.8 (blk)	1/A	\$.79	\$.71	\$.65	\$.59
191484	PP049W ⊕	2.1 x 5.5	9.6 x 43.9 x 4.5 (wht)	1/A	.69	.62	.56	.42
28760	PP049 ₹	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (blk)	1/A	.59	.49	.39	.29
147328	PP049L⊕≎	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (blk)	1/A	.69	.62	.56	.50
138587	PJ021R⊕	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (blk)	1/B	.79	.63	.55	.49
190538	PP109S ₹	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (blk)	1/A	.39	.32	.29	.19
28768	PP109 ₹	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (blk)	1/A	.59	.49	.39	.33
147336	PP109L⊕	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (blk)	1/A	.75	.68	.54	.41
168242	PP109N ≈	2.5 x 5.5	13.7 x 36.5 x 3.9 (blk)	1/C	.59	.49	.43	.35
Male Plu	gs	SAL	E					
101135	PJ1025 ⊕	2.5 (P201)	11.1 x 49.0 x 4.3 (blk)	2/A	\$.59	\$.53	\$.39	\$.29
101152	PJ1035 ₹	3.5 (P202)	13.8 x 51.8 x 4.2 (blk)	2/A	.49	.38	.35	.29

Automobile Power Plug & Cord Assembly

Female	Couplers							assembly with strain relief 5 .25" x 1.25" fuse	115002	124760	emira:	
Part No.	Product No.	AWG	Color	Tab Size (in.) 100	500	1000	7.0000	7.20 % 1.20 1.00			- Marie	
489758	19005-0001-C 	18-22	Red	0.250 x 0.032 \$.124	\$.114	\$.095	Part No.	Description		1	10	100
489766	19005-0005-C	14-16	Blue	0.250 x 0.032 095	.09	.086	115002	W/ 5A/250VAC fuse ₹		. \$1.95	\$1.65	\$1.19
489774	19005-0010-C 	10-12	Yellow	0.250 x 0.032	.181	.143	124760	W/ 3A/250VAC fuse & 3' cor	d (pigtail end) 🗷	1.89	1.72	1.69
◆ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.												

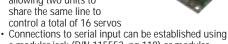




Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- · Controls 8 pulseproportional servos
- Receives serially at 2400 or 9600 baud
- · Module is addressable, allowing two units to share the same line to





-	•	•	•	
Part No.	Description	1	10	
151001	Mini SSC II ⊕	\$43.95	\$41.79	

32-Bit Stepper Motor Controller

One Axis

- · Controls one bipolar stepper motor with 32-bit absolute position
 • Interface to PC through
- RS232 or RS485 @ 2400-19,200bps
- · Full, half or wave step modes
- · Multiple boards may share same serial line (RS485 only)
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V 4-bit digital input for home limits
- Addressable up to 255 boards
 Size: 4.4"L x 2.3"H
- · Weight: 0.7 lbs.

Includes: Manual and sample code software

Part No.	Description	1	10
153621	32-bit controller ⊕	\$158.95	\$150.99

See our extensive motor selection on pages 164-168.

Multi-Stepper Motor Control Board

- · Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving



Shown w/ motors - not included

- Linear acceleration/deceleration capability up to • Size: 7.7"L x 5.0"W x 1.0"H 8500 step/sec.
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- Automatic power down prevents motor overheating
- External driver control outputs: step, direction and power control · Weight: 0.7 lbs.
- 26 digital I/O and two SPI interfaces for control of external devices
- 32 bits DDL interface for Windows® 9X, NT & Linux
- Internal FIFO RAM (128 bytes) allows customized motion profiles

Part No.	Description	1	1
168727	Stepper motor control brd	\$399.95	\$379.9

Electric Motors & Control Techniques

TAB Publishing Explains how different types of motors operate, and how electronic control devices can be used to improve efficiency in a wide range of applications. (294 pages, 1994)



Part No.	Description	Price
137162	Electric Motors & Control	\$24.95

Sport232-ST One Axis Stepper Motor Controller and DAC Boards

- · Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, bi-phasic) 355047
- 8 Digital I/I and 8 analog inputs with 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview

Part No.	Description		10
355047	Sport232-ST⊕.	\$147.25	\$137.75
1537344	Sport232-STI ≈ .	247.99	237.99

RMV856-ET Stepper **Motor Controller**

- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- Internal step register counts up to 16 million steps per motion
- 8 Digital I/Os can be addressed individually by one command
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error • Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter

Part No.	Package	1	10	50
355266	PLCC-44 ⊕	\$40.25	\$36.55	\$33.22

Industrial Motion Controllers for Brush, Brushless and Stepper Motors

All JR Kerr Automation Engineering controllers include integrated power amplifiers. Up to 32 controllers can be daisy-chained from a single full-duplex RS485 port. For RS-232 to RS-485 adapter see P/N 184971 (below).





○PONTECH









184989/323942: PIC-SERVO motor control board

- · For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- · Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- P/N 323942 RS485 serial interface allows up to 32 PIC-SERVO controllers to be controlled from a single serial port

185009/323951: PIC-SERVO 3PH motor control board for brush or brushless motors

- · For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Same features as 184989 above but with support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951 Amplifier capable of driving 6A continuously @ up to 48VDC



· Lets you operate the controllers above from any standard RS-232 port

184997: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
 Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- · Limit switch inputs, general purpose outputs, step/dir outputs for use with external drivers

Part No.	Description	Size (L" x W" x H")	1	10
184989	PIC-SERVO	3.1 x 2.1 x 0.9	\$184.69	\$166.25
323942	KAE-TOVIO	3.1 x 2.1 x 0.9	159.95	143.95
185009	KAE-TOV5-BD3-PHV1	3.1 x 3.1 x 1.0	271.79	244.69
323951	KAE-TOVIO	3.1 x 3.1 x 0.9	227.85	205.95
184971	Z232-485	3.1 x 2.1 x 0.5	59.95	53.95
184997	PIC-STEP	3.1 x 2.1 x 0.9	159.95	143.95

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

EXCLUSIVE

Bipolar and Unipolar Stepper Motors

Quantity SAVE

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

- · Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- · 18" lead wires
- Ambient temp.: -10°C to +55°C
- Insulation resistance: $100M\Omega$ @ 500VDC
- · Use P/N 161998, pg 315, for shaft coupler

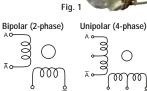








Fig. 7





	_					Phase		Phase	Detent	Holding	Mounting	Mounting	Shaft	Shaft	Motor	Motor			Pricing	
Part No.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Resis. (Ohms)	Curr. (mA)	Inductance (mH)	Torque (g-cm)	Torque (g-cm)	Hole Space Diagonal (in.)	Holes (in.)	Dia. (in.)	Length (in.)	Dia. (in.)	Depth (in.)	Wt. (lbs.)	1	10	50
237526	42BYGH001 ⊕	3 ¦	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	\$19.79	\$16.82	\$12.62
237497	39BYG101-01 ⊕	2 ¦	Bipolar	2.7	1.8	6.8	400	6.5	150	650	1.22	0.10	0.20	0.75	1.54	0.79	0.26	15.95	13.55	10.16
237489	39BYG001 ⊕	2 ¦	Bipolar	5	1.8	5	1000	_	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	15.95	13.55	10.92
237577	57BYG061 ⊕	4	Bipolar	6	1.8	12	500	24	_	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	29.95	25.45	20.99
237518	42BYG017 ⊕	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	17.35	14.95	11.21
395567	42BYG022-40 ⊕*	3	Bipolar	9.6	1.8	100	240	46	_	1100	1.70	0.90	0.20	0.26	1.67	1.29	0.43	16.95	14.41	10.81
155459	42BYG023 ⊕ *	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	17.95	16.29	14.59
237471	39BYG401A⊕	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	19.49	16.56	12.42
237462	39BYG401 ⊕	2	Bipolar	14	1.8	31	400	32	200	2300	1.22	0.10	0.20	0.95	1.54	1.34	0.44	15.95	14.50	12.42
237447	35BYG008 ₹	2	Bipolar	24	1.8	1.3	1600	1	1	900	1.02	0.10	0.20	0.83	1.38	1.14	0.33	13.95	11.86	10.48
237569	57BYG009 ⊕	4	Unipolar	2.4	1.8	1	2400	1.5	_	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	32.29	27.45	20.58
237614	57BYGH801 ⊕	6	Unipolar	3.3	1.8	2.2	1500	22	_	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.19	31.69	28.49
237534	42BYGH102⊕	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	15.29	11.45
237551	57BYG008 ↔	4	Unipolar	4	1.8	3.1	1300	4.4	_	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	29.95	26.95	24.25
237593	85BYGH450⊕	6	Unipolar	4.4	1.8	2.2	2000	_	_	21414	2.76	0.26	0.51	1.38	3.35	2.95	4.90	161.95	137.65	103.24
237622	57BYGH802⊕	6	Unipolar	4.8	1.8	3.2	1500	2.9	_	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	32.04	24.03
237606	57BYGH001 ↔	6	Unipolar	5	1.8	5	1000	_	_	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	32.49	27.61	20.70
237825	25BY4801 ↔	7	Unipolar	5	7.5	10	500	_	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	5.95	4.95	4.43
237673	35BY48B06 ↔	1	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	6.49	5.79	4.59
237738	42BY48H08 ₹	8 ¦	Unipolar	5	7.5	9.1	550	_	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.28	7.89	7.09	6.39
223870	57BYG070⊕	4 ¦	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	49.95	42.45	31.83
237631	57BYGH803 ↔	6	Unipolar	6.3	1.8	4.2	1500	_	_	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	54.90	41.17
172646	42BYG205 ↔	4 ¦	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	17.95	16.19	14.55
224021	42BYG016 ↔	2 ¦	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	16.95	14.40	10.80
155432	42BYG228 €	2 ¦	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	17.95	16.29	14.59
237542	57BYG007 ↔	4 ¦	Unipolar	12	1.8	32	380	30	_	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	25.95	23.16	17.93
238537	42BYGH404 ↔		Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	19.95	17.95	16.15
162026	57BYG084 ⊕	4	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	26.95	24.29	21.85
237892	42BY48B03 ⊕	8 ¦	Unipolar	12	7.5	57	210	18	105	300	2.28	0.08	0.12	0.30	1.65	0.58	0.21	6.75	6.25	6.19
173180	30BYJ02AH⊕**	7 ¦	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	12.05	10.25	7.68
237438	35BYG007 ↔	5	Unipolar	15	1.8	28	400	_	12	70	1.02	0.10	0.20	0.83	1.38	1.10	0.37	13.95	11.86	10.48
238115	35BY48B08⊕	1	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	6.19	5.68	5.17
237729	42BY48H07⊕	8	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	7.89	6.71	6.20
237585	110BYG450C ⊕	4	Unipolar	80-200	0.9/1.8	0.18	6000	2	3060	45,900	5.0	0.33	0.63	2.13	4.33	5.10	8.40	123.85	112.59	102.35

^{395567/155459:} Dual shaft

Other Manufacturers — Great Deals











171601



	Cross	Drive	Volt.	I Step	Phase Resis.	Curr.	Phase Inductance	Detent Torque	Holding Torque	Mounting Hole Space	Mounting Holes	Shaft Dia.	Shaft Length	Motor Dia.	Motor Depth		Pricing	
Part No.	Ref. No.	System	(VDC)	Angle		(mA)	(mH)	(g-cm)	(g-cm)	Diagonal (in.)	(in.)	(in.)	(in.)	(in.)	(in.)	1	10	50
117954	LB82773-M1	Bipolar	5	7.5	6	800	7	100	1080	2.60	1.95	0.250	0.75	2.25	1.00	\$4.29	\$3.89	\$3.09
163395	5017-935 <mark>1</mark>	Bipolar	8.4	0.9	30	280	25	36	791	1.73	0.15	0.155	0.29	1.64	1.20	5.59	4.79	3.59
454475	41118S-62-07	Bipolar	24	1.8	0.6	2500	.93	_	3240	_	_	0.190	0.50	1.67	1.34	27.95	25.16	22.64
454467	4218L-01-11	Bipolar	24	1.8	1.2	2000	2	_	5401	_	_	0.190	0.50	1.67	1.83	19.95	17.96	16.16
171601	DE35T//81 /2	I Uninolar	1 7	1 75	20	350	Q	40	680	1 68	0.14	0.078	0.47	1 38	0.58	1 99	1 10	4.03

^{1 163395:} Dual shaft 2 171601: Dual shaft w/ 10 tooth gear

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



^{** 173180:} Gear ratio 85.25:1

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- · Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60°
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V

• Can be o	perated by P/N 1510	01, pg 163	_	•
Part No.	Description	Size	1	10
157067	Robotic servo	0.8"W x 1.4"D x 1.6"H	\$19.95	\$17.95



Extremely powerful! Perfect for large robotic projects where power is a must.

- Supply voltage: 4.8-6 volts Speed: 1.9 seconds to 60°
- Torque: 161 oz.-in. (11,500 g-cm) @ 4.8V
- Can be operated by P/N 151001, pg 163

Part No.	Description	Power Supply	1	10
166351	Giant robotic servo	4.8-6 volts	\$44.95	\$42.69



JAMECO ReliaPro

1.5-112VDC Motors

Jameco has a broad selection of DC Motors available for immediate delivery! In fact, we're the only place in the country where you can buy so many types off-the-shelf. And because of our broad selection, major custom-design motor manufacturers send their customers to us! Be sure to check out all the products below.



- Typical applications: RC cars and airplanes Arcade games Motorized toys
 - Vacuum cleaners Paper shredders
- · Vending machines Hair removers
- · Office automation products
- · Blow dryers

















· Tire pumps













Nichibo-Type

			Nominal			aximum Eff								Pricing	
Part No.	Product No.	Fig.	Voltage (VDC)	Range (VDC)	Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	1	10	100
231917	FE-260-2670⊕	1	1.5	1.5-3	0.66	3700	10.5	42.9	Solder	0.078	0.314	0.937 x 1.063	\$1.19	\$1.01	\$.83
231909	FE-260-18130 ⊕	1	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.83
231925	FE-260-2295 ⊕ o	1	3	1.5-4.5	0.63	6850	14	53.9	Solder	0.078	0.314	0.937 x 1.063	1.19	1.07	.95
231829	PC-280-16210	2	6	3-12	0.28	4260	18	47.6	Solder	0.078	0.433	0.944 x 1.200 \$	^{1.89} 1.75	1.56	1.40
231781	PC-130F-12240 ⊕	3	6	3-9	0.25	6800	7	33.4	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231992	UC-260-18160⊕	4	6	3-9	0.57	7460	22.1	49.9	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
232063	FC-280-20120	5	6	4.5-9	0.60	7800	24.1	53.5	Solder	0.078	0.472	0.944 x 1.200	1.25	1.15	1.02
232143	FF-050S-11170⊕	6	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
232012	MD5-12160 ⊕	7	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231731	PC-130SF-09480 €	3	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.78	1.33
231896	FE-260-08450 ↔	1	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.85
232004	UC-280S-19160⊕	8	12	6-12	0.57	9000	46.6	63.4	Solder	0.078	0.433	0.944 x 1.200	2.55	2.17	1.62
232021	MD5-1885 ⊕	7	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231950	UC-280S-20145⊕o	8	12	6-12	0.75	10000	55	64.0	Solder	0.078	0.433	0.944 x 1.200	2.55	2.29	2.09
232039	MD5-2070⊕	7	12	6-12	1.20	12150	62.2	54.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.57
232127	MD5-2554AS-AA	9	12	6-12	1.70	17000	72.9	62.4	Quick Connect	0.091	0.512	1.083 x 1.279	2.15	1.95	1.77
232119	MD5-2450AS-AA	9	12	6-12	2.00	17200	77.5	55.9	Quick Connect	0.091	0.512	1.083 x 1.279	2.19	1.99	1.81
232047	MD5-2445 €	7	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231941	UC-280S-12285 ⊕	8	24	12-24	0.39	10300	54.4	62.4	Solder	0.078	0.433	0.944 x 1.200	2.25	2.02	1.85
232101	MD5-1980AS-AA⊕	9	24	12-24	1.43	22600	88.5	60.9	Solder	0.091	0.512	1.083 x 1.279	4.29	3.64	2.73



iviabuci	ni- i ype														
238465	RF-310TA-11400 (CCW) ↔	10	2.5	1-6	0.06	2190	3.3	_	Solder	0.078	0.247	0.962 x 0.712	\$2.49	\$2.12	\$1.59
238457	RF-300PA-11400 (CW) 🕀	11 ¦	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.200	0.960 x 0.504	4.35	3.89	3.49
238511	RF-500TB-12560 ⊕	12	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	4.49	3.82	2.86
238449	EG-530AD-9B (CCW) ↔	13	9	6-11	0.09	2400	8	_	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238473	RF-370CA-15370⊕	14	12	3-12	0.17	4840	187	_	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
238414	EG-530AD-2B (CCW) ↔	13	12	8.4-15	0.07	2400	60	_	Solder	0.078	0.307	1.377 x 0.953	4.49	3.82	2.86
238406	EG-530AD-2F (CW) ↔	13 ¦	12	8.4-15	0.07	2400	60	_	Solder	0.078	0.307	1.377 x 0.953	5.39	4.58	3.44



237391	29SYT003⊕	15	13.5	13.5	13	18000	509	_	Quick Connect	0.125	1.003	1.141 x 2.283	\$5.95	\$5.05	\$3.93
237382	29SYT002⊕	15 ¦	24	24	0.93	2680	178	_	Wire	0.100	0.334	0.787 x 1.89	7.19	6.11	4.58
237403	40SYT002 ⊕o	16	26	26	1.5	3000	815	_	Quick Connect	0.196	1.021	1.57 x 3.85	25.95	23.35	20.99

Blue Part No. = Limited Quantity Available







Fig. 10



Fig. 11

Fig. 12







Fig. 15

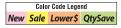


Fig. 16

Committed to You

We're committed to providing you with the best service in the industry.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







1.2VDC-24VDC Motors



















154923

LICH BOIOR

star motor





Quantity SAVE

			Nominal	Voltage		imum Effi			-	01 6	01.0	o:		Pricing	
Part No.	Product No.	Manufacturer	Voltage (VDC)	Range (VDC)	Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	1	10	100
154915	ST-130-12240 ⊕ 1	Star Motor	3	1.5-3	0.170	3588	7.4	55	0.09"/solder	0.08	0.37	0.79 x 1.13	\$1.29	\$1.16	\$.86
154923	ST-130-22770⊕ ¹	Star Motor	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	.99	.89	.66
211246	RC-260RA-2670	Mabuchi Motor	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	.79	.67	.50
388851	RF-500TB-14415	Mabuchi Motor	5	1.5-9	0.120	2540	12.6	_	0.07"/solder	0.07	0.34	1.26 x 0.97	3.99	3.39	2.54
177498	RC280RA-2485 ↔	Mabuchi Motor	7.2	3-14	1.180	14260	33.3	57	11"/solder	0.08	0.43	0.95 x 1.20	1.75	1.48	1.11
174692	21226-384221 🕀	Johnson Electric	12	9-14	0.015	3000	_	_	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.25	1.67
206949	QJT360S14280 €	Nichibo	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	1.69	1.52	1.36
667411	RF270RH-12370	Mabuchi Motor	12	6-15	0.140	5130	19.2	_	.08"/quick conn.	0.08	0.59	0.96 x 1.21	2.95	2.65	1.99
153656	RS550PF⊕2	Mabuchi Motor	12	6-15	1.400	6500	44.1	_	0.15"/solder	0.13	0.66	1.45 x 2.25	3.29	2.99	2.69
267291	SUN-555A-LMRK	Telco	24	_	0.150	4100	84	_	Wire w/ conn.	0.13	0.40	1.45 x 2.25	2.99	2.54	1.91

^{1 154915/154923:} Use bushing P/N 162392, pg 315

159418

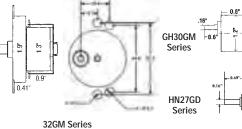




- Solder-type terminal
- High torque construction
- Oil bearing design for long service life
- Insulation resistance: $10M\Omega$
- · Dielectric strength: 300VDC

6VDC and 12VDC Reversible Gear Head Motors





Quantity SAVE

32GM Series

		Rated	@ M	aximum Efficie	ncy		Gear Case Size	Motor Size	Shaft Size		Pricina	
	Cross	Voltage	Current	Speed	Torque	Gear	Dia. x Height	Dia. x Depth	Dia. x Length		Tricing	
Part No.	Ref. No.	(VDC)	(mA)	(RPM)	(g-cm)	Ratio	(in.)	(in.)	(in.)	1	10	50
253403	32-009⊕	6	64	2.7	2500	450:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	\$17.95	\$15.25	\$11.43
253374	32-006⊕	6	51	4	1680	300:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	15.25	11.43
253340	32-005 ↔	6	48	5	1600	240:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253307	32-002⊕	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	15.25	11.43
253228	32-001	6	35	24	450	50:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55

HN27GD Series

		Rated	Operating		ximum Effic			Gear Case Size	Motor Size	Shaft Size		Pricing	
	Cross	Voltage	Range	Current	Speed	Torque	Gear	Dia. x Length	Dia. x Depth	Dia. x Length			
Part No.	Ref. No.	(VDC)	(VDC)	(mA)	(RPM)	(g-cm)	Ratio	(in.)	(in.)	(in.)	1	10	50
167039	GH12-0953Y ≉	12	4.5 – 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	\$16.49	\$14.85	\$13.39
167046	GH12-1828Y⊕o	12	4.5 – 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	21.95	19.79	17.79

GH30GM Series

	Cross	Rated Voltage	Operating Range	@ Ma	ximum Effic	iency Torque	Gear	Gear Case Size	Motor Size Dia. x Depth	Shaft Size Dia. x Length		Pricing	
Part No.	Ref. No.	(VDC)	(VDC)	(mA)	(RPM)	(g-cm)	Ratio	(in.)	(in.)	(in.)	1	10	50
170641	GH12-1828Y-10⊕ ○	12	6.0 – 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	\$23.95	\$21.50	\$19.40
153438	GH12-1045Y ≉	12	3.0 – 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159418	GH12-1921Y ₹	12	4.5 – 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	21.95	19.79	17.79
162191	GH12-1324Y225 ≉	12	4.5 – 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	16.95	15.25	13.75

❸ Blue Part No. = Limited Quantity Available



For more Gears, SS-Shafts, Couplings, etc. go to www.Jameco.com



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product Details on page 1.



² Manufacturer may vary





12VDC and 24VDC Reversible Gear Head Motors

GH35GM Series

	0		Operating		kimum Eff			Gear Case Size	Motor Size	Shaft Size		Pricing	
Part No.	Cross Ref. No.	Voltage (VDC)		Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Dia. x Length (in.)	Dia. x Depth (in.)	Dia. x Length (in.)	1	10	50
155011	GH12-1926⊕	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$21.95	\$19.79	\$17.79
155821	GH12-1830Y-P ₹	12	4.5 – 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	21.95	19.79	17.79
155839	GH12-1641T-L ≉	12	3.0 – 12	250	15	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	23.95	21.59	19.45
152911	GH12-1926Y ≈	12	4.5 – 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	21.95	19.75	17.75
151441	GH12-1632TI ≉	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155854	GH12-1641T-F⊕	12	3.0 – 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	21.95	19.79	17.79
155862	GH12-1926Y-F⊕o	12	4.5 – 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	22.95	20.79	18.79
161373	GH12-1345T⊕	12	4.5 – 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	20.35	15.26
161381	GH12-1634T⊕	12	4.5 – 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.29	18.25
164785	GH12-1640Y⊕	12	4.5 – 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.95	21.59	19.45
176049	GH12-1640Y00⊕	24	12 – 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	15.52
176032	GH24-1640Y06 2	24	12 – 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
176022	GH24-1640Y19 ⊕o	24	12 – 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79

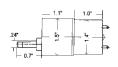
38GM Series

		Rated		aximum Effici	ency		Gear Case Size	Motor Size	Shaft Size		Pricing	
	Cross	Voltage	Current	Speed	Torque	Gear	Dia. x Height	Dia. x Depth	Dia. x Length			
Part No.	Ref. No.	(VDC)	(mA)	(RPM)	(g-cm)	Ratio	(in.)	(in.)	(in.)	1	10	50
253534	38-010⊕	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	\$18.95	\$17.09	\$15.35
253526	38-009⊕	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253518	38-008⊕≎	12	87.5	40	4800	150:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253500	38-007⊕	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	16.10	12.07
253497	38-006⊕	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	16.10	12.07
253489	38-005⊕	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253472	38-004 🗷	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253454	38-002⊕	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	16.10	12.07
253446	38-001⊕	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35

♥ Blue Part No. = Limited Quantity Available

					Other I	/lanufa	cturers		N			
	Cross	Rated	Shaft Size		Pricing							
Part No.	Cross Ref. No.	Voltage (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Dia. x Height (in.)	(in.)	Dia. x Length (in.)	1	10	50
1537168	17N-78-210E-1	12	7.7	8500	948	352:1	0.6 x 1.1	0.7 x 1.0	0.1 x 0.3	\$17.95	\$16.49	\$14.95
1537176	17N-78-213E-1	12	9.1	8300	1091	166:1	0.6 x 0.8	0.7 x 1.0	0.1 x 0.4	17.95	16.49	14.95

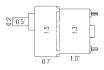
Quantity SAVE



GH35GM Series



155011



38GM Series



253446







1.3VDC and 3VDC Vibrating Motors

· Typical applications: cellular phones, pagers and toys



Fig. 1





Fig. 3





Fig. 5

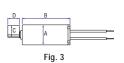


Fig. 5

Quantity SAVE

			Operating Voltage	Operating	Rated	Lead	Motor Size (A x B)	Shaft Size (C x D)		Pricing	
Part No.	Cross Ref. No.	Fig.	(VDC @ mA)	Range (VDC)	. RPM @ VDC	Length (in.)	Dia." x Depth"	Dia." x Length"	1	10	100
175062	OTL-7AL⊕	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$5.49	\$4.94	\$3.67
256356	7ZK642⊕	3	1.3 @ 70	1.00 - 1.60	7500 @ 1.3	4.7	0.28 x 0.66	0.18 x 0.22	3.99	3.59	2.64
175396	OTL-4AL⊕	2*	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.8	0.16 x 0.55	0.15 x 0.23	6.49	5.51	4.13
256305	6ZK003 ⊕	3	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256365	7ZK692 🕿	3	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256382	7ZK681 🕿	3	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256314	6ZK053 ₹	3	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256330	6ZK261 ⊕	5	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC Term	0.27 x 0.48	0.11 x 0.11	2.35	2.15	1.95
256090	4ZK091 ⊕	3	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85
					Other Manua	facturers					
190078	6CD-1201WI -00	4*	1.3 @ 80	1.3. typical	7500 @ 1.3	1.1	0.24 x 0.47	0.10 x 0.22	\$6.55	\$5.57	\$4.18

^{*}More details on page 168

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

JAMECO" **Relia**Pro

1.3VDC 8,500 RPM **Vibrating Motor**

EXCLUSIVE

- · Typical applications: cellular phones, pagers, and toys
- Rated RPM: 8,500 @ 1.3VDC · Direction of rotation: clockwise
- · Operating voltage: **Quantity SAVE**
- 1.3V @ 65mA (typical) Lead length: 0.75' Size: (motor) 0.16"Dia. x 0.55"L

(shaft) 0.15"Dia. x 0.23"L

Part No. Description 100 175396 Vibrating motor ⊕ \$6.49 \$5.51 \$4.13

Namiki

1.3VDC 7,500 RPM **Vibrating Motor**

Quantity SAVE

· Typical applications: cellular phones, pagers and toys

Rated RPM: 7,500 @ 1.3VDC

Clockwise rotation

1.1" lead wires

· Operating voltage: 1.3VDC @ 80mA

• Size: (motor) 0.47"L x 0.24"Dia. (shaft) 0.22"L x 0.10"Dia.

Part No.	Description 1	10	100	
190078	Vibrating motor \$6.55	\$5.57	\$4.18	

120VAC Gear Motor

6.0 RPM - 2.9 Watt

- · Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- Connector: 12" wires
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- · Shaft diameter: 0.27" · Shaft length: 0.65"
- · Overall size: 2.0" Dia. x 1.0" thick
- · Typical applications: air conditioner turnleaf motor, microwave turnplate motor

Part No.	Cross Ref. No.	1	10	100
213487	50TYZ⊕	\$14.95	\$13.40	\$12.10





12VDC and 24VDC Continuous Push, Pull and Push/Pull Solenoids



	Cross		Voltage	Coil Res. (±10%)	Power Consump.	Holding Force	Stroke	Size	Shaft	Wt.		Pricing	
Part No.	Reference No.	Туре	(VDC)	(Ohms)	(W)	(lbs. @ 20°C)	(ins.)	L x Dia. (ins.) †	Dia. (ins.)	(lbs.)	1	10	100
262247	SMO-0520L12STD ≈	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	\$5.69	\$5.15	\$4.69
262290	SMO-1253L12AA ⋜	Open frame-pull	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.470	0.50	11.89	10.69	9.65
262263	SMO-0837L12STD ₹	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	7.29	6.56	5.90
262272	SMO-0837S12STD ₹	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.39	7.59	6.85
262167	SMT-1325L12STD ₹	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	9.95	8.95	8.15
142464		Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	6.95	6.26	5.63
262203	SMT-3864L24STD⊕	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	25.45	20.99
262183	SMT-3257L24STD ₹	Tubular-pull	24	44	13.0	3.30	0.70	2.3 x 1.3	0.500	0.65	19.59	17.69	15.89
215141	SMT-2251L24AA⊕	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	10.95	9.31	6.98
149754	SMT-1325S12A ₹	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	14.95	14.25	13.49
149762	SMT-1632S12A ₹	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	10.95	9.86	8.87
262175	SMT-2551S24STD ₹	Tubular-push	24	58	10.0	1.32	0.70	2.0 x 1.0	0.120	0.40	15.95	14.39	12.99
262191	SMT-3257S24STD⊕	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	19.95	17.95	16.19
145314	SMT1913S12A⊕	Tubular-push/pull	12	89	2.0	1.12	0.16	1.2 x 0.7	0.110	0.05	9.95	8.96	6.72
				Othe	er Manu	facturers —	- Great I	Deals					
163803	A420-067074-01	Tubular-push	12	43	3.4	0.75	0.17	2.0 x 0.6	0.156	0.10	\$10.45	\$8.88	\$6.66

[†] Open frame type dimensions: L" x W" x H" * Dual shaft

12VDC Solenoid Valve

- Operating voltage: 12VDC
- · Current: 350mA · Operational temperature: -29°C to 85°C Air leakage: 1c.c./min. max. 4psi
- 0.250" quick disconnect terminals

Part No Description **Dimensions** 100 \$5.59 169835 Solenoid valve 2 1.2"L x 0.92" Dia......



If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

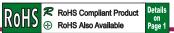


We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







OMRON

Miniature Basic Switches

- · 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H







159581/187792 187805 159572

				Contact			Service Life			Pricing	
Part No.	Product No.	Manufacturer	Actuator Type	Form	Contact Rating	Resistance (initial)	(Mech./Elec.)	Terminal Type	1	10	100
159572	VS10N051C⊕	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.25" quick disconnect	\$2.89	\$2.54	\$2.28
159581	VS10N021C2⊕	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	2.45	2.08	1.56
187792	V-10G2-1C24K ₹	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.45	2.25	1.99
187805	V-10G3-1C24K ₹	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.75	2.48	2.29
-	•					_		_			



Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B= 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H







				Contact		Contact	Service Life			Pricing	
Part No.	Product No.	Manufacturer	Actuator Type	Form	Contact Rating	Force	(Mech./Elec.)	Terminal Type	1	25	50
187709	SS-5GL ₹	Omron	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	\$1.59	\$1.45	\$1.29
187733	SS-5GL2 ₹	Omron	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	1.25	1.15	1.09
159599	SS0505A⊕	Highly Electric	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	45g	30M/200k	Solder	1.19	.99	.89

OMROD

D2F Series Subminiature Snap-Action Switch

Super compact for PCB mounting.

- Dimensions: 0.50"L x 0.23"W x 0.26"H
- Contact form: SPST Contact force: standard (80g)
- Contact rating: 3A @ 125VAC; 2A @ 30VDC
- · Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom

	_	•					
Part No.		Product No.	Actuator Type	Contact Type	1	25	50
188867		D2F-L≉	Hinge lever	General purpose	\$.89	\$.83	\$.79





D4 Series Miniature Snap-Action Switches

- · Electrical life: 6,000 cycles min. per UL
- Actuating button: thermoplastic acetal/polyester
- Common terminals: silver-plated brass
- · Case: thermoplastic polyester UL94V-0 rated
- Temperature rating: -40°C to +85°C
 - Mounting: recommend #4-40 round head
- Auxiliary actuator: aluminum, stainless steel, or cold-rolled steel (nickel plated)
 Contact form: SPDT

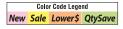




483284

Part No.	Product No.	Lever Type	Contact Rating	NO/NC Terminals	Moving Blade	Contacts	Terminal Type	1	10	100
482821	D41CR1RA♠	Standard ratio roller, 0.81"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	\$4.95	\$3.65	\$3.15
482839	D41CR1RD♠	Standard ratio roller, 1.34"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	4.95	3.65	3.15
482855	D41LR1RA	Standard ratio roller, 0.81"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	5.45	4.63	3.71
482863	D41LR1RD♠	Standard ratio roller, 1.34"L	0.1A @ 125/250VAC	Brass	Brass	Gold cross point	Quick conn. 0.187" straight	5.45	4.01	3.46
482927	D42CR1RA♠	Standard ratio roller, 0.81"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.29	2.42	2.09
482935	D42CR1RD♠	Standard ratio roller, 1.34"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.39	2.51	2.17
482901	D42CR1LA♠	Standard ratio lever, 0.865"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	1.95	1.81	1.72
482919	D42CR1LD♠	Standard ratio lever, 2.757"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	2.75	2.02	1.74
482978	D42LR1XL	High ratio alum. lever, 2.932"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	5.45	3.99	3.27
482986	D42LR1YD♠	Standard ratio alum. lever, 1.40"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	4.15	3.10	2.68
482994	D42LR1YL♠	Standard ratio alum. lever, 1.40"L	3A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	4.29	3.18	2.74
483049	D43BQ3RA♠	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" dog leg	2.75	2.57	1.90
483153	D43LR1LD♠	Standard ratio lever, 1.40"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	4.25	3.12	2.69
483102	D43CR1RA	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.35	3.10	2.19
483111	D43CR1RD♠	Standard ratio roller, 1.34"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	3.39	2.51	2.17
483129	D43CR1TD♠	High ratio roller, 1.516"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	2.39	2.25	2.14
483137	D43CV3RA♠	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.250" dog leg	2.09	1.98	1.46
483188	D43LR1RA♠	Standard ratio roller, 0.81"L	5A @ 125/250VAC	Brass	Brass	Silver alloy	Quick conn. 0.187" straight	2.55	2.42	2.30
483276	D44CR1RA♠	Standard ratio roller, 0.81"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.35	1.92	1.70
483284	D44CR1RD♠	Standard ratio roller, 1.34"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.15	2.30	1.99
483292	D44CR1SC♠	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.35	1.24	1.12
483305	D44CR1SD♠	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.49	2.16	1.59
483401	D44LR1RA♠	Standard ratio roller, 0.81"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	4.45	2.79	2.28
483410	D44LR1RD♠	Standard ratio roller, 1.34"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.45	2.53	2.18
483428	D44LR1SC♠	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.55	1.47	1.32
483436	D44LR1SD♠	Standard ratio slim roller	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.45	2.35	1.74
483444	D44LV3RA♠	Standard ratio roller, 0.81"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.250" dog leg	2.85	2.71	2.00

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Color Code Legend New Sale Lower'S OtvSave

CHERRYS

D4 Series Miniature Snap-Action Switches (Continued)

Part No.	Product No.	Lever Type	Contact Rating	NO/NC Terminals	Moving Blade	Contacts	Terminal Type	1	10	100
483250	D44CR1LA♠	Standard ratio lever, 0.865"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	\$2.85	\$2.09	\$1.81
483268	D44CR1LD♠	Standard ratio lever, 1.400"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.85	1.75	1.55
483356	D44LR1LA♠	Standard ratio lever, 0.865"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.05	1.93	1.83
483372	D44LR1LL♠	Standard ratio lever, 2.757"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.69	2.00	1.85
483381	D44LR1MD♠	High ratio lever, 1.40"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	1.89	1.80	1.59
483399	D44LR1ML ♠	High ratio lever, 2.934"L	10A @ 125/250VAC	Brass	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.85	2.28	1.86
483461	D45AQ1NA♠	High ratio 1-way roller, 0.987"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	4.49	4.27	3.15
483532	D45CR1RA♠	Standard ratio roller, 0.81"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	3.39	2.49	2.15
483541	D45CR1RD♠	Standard ratio roller 1.34"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	4.19	3.82	3.48
483647	D45LR1RA♠	Standard ratio roller, 0.81"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.55	2.42	2.14
483655	D45LR1RD♠	Standard ratio roller, 1.34"L	15A @ 125/250VAC	Copper	Beryllium copper	Silver alloy	Quick conn. 0.187" straight	2.75	2.59	2.46

See Our Cherry D48 & DN3 Series Miniature Snap-Action Offering at www.Jameco.com/Prod/CherryMiniSnap

DA Series Subminiature Snap-Action Switches

- · Contact rating: 0.1A @ 125VAC
- · Electrical life at rated load: 100,000 cycles per UL
- Temp. rating: -40°C to +85°C UL94V-0 rated
- Case: thermoplastic polyester
- Actuating button: thermoplastic acetal
- · Terminals: silver-plated bronze
- Moving blade: silver-plated beryllium copper
- Spring: copper coated stainless steel
- Auxiliary actuator and roller: stainless steel
- Contacts: gold cross point
- Recommended #2-56 round head screw



Part No.	Product No.	Contact Form	Lever Type	Terminals	1	10	100
483680	DA3AF1RB ♠	SPST NO	Standard ratio roller, 0.21"L	Quick conn. 0.093"	\$6.09	\$5.79	\$4.27
483727	DA3CB1RB	SPDT	Standard ratio roller, 0.21"L	Quick conn. 0.110"	4.35	4.20	4.05
483735	DA3CB1SB ♠	SPDT	Std. ratio simultd roller, 0.197"L	Quick conn. 0.110"	5.29	4.22	3.44
483760	DA3CD1RB♠	SPDT	Standard ratio roller, 0.21"L	Short solder eyelet 0.110"	4.29	3.49	3.09
483778	DA3CD1SB ♠	SPDT	Std. ratio simultd roller, 0.197"L	Short solder eyelet 0.110"	3.55	3.38	2.99
483786	DA3CD1UB ♠	SPDT	Hi ratio simultd roller, 0.322"L	Short solder eyelet 0.110"	3.95	3.73	2.76
483831	DA3CF1RB♠	SPDT	Standard ratio roller, 0.201"L	Quick conn. 0.093"	5.25	4.07	3.33
483840	DA3CF1SC♠	SPDT	Std. ratio simultd roller, 0.258"L	Quick conn. 0.093"	4.59	4.35	3.21
483858	DA3CF1UA ◆	SPDT	Hi ratio simultd roller, 0.235"L	Quick conn. 0.093"	5.65	4.18	3.61
483866	DA3CF1UB ♠	SPDT	Hi ratio simultd roller, 0.322"L	Quick conn. 0.093"	3.95	3.73	2.76
483903	DA3CK1RB♠	SPDT	Standard ratio roller, 0.201"L	Solder eyelet 0.110"	5.15	4.88	3.60

DH Series Subminiature Snap-Action Switches

• Electrical rating: DH3: 50 to 300mA @ 30VDC; DH4: 5 to 50mA @ 30VDC

- · Ultraminiature dimensions
- · Specially designed for low switching currents/voltages
- Temperature rating: -25°C to +70°C
- UL94V-0 flammability rating

accrue separate shipping charges. Sorry, we're unable to ship COD.

www.Jameco.com/Prod/CherrySubSnap



DB Series Subminiature Snap-Action Switches

- · High precision switch with high repeat accuracy
- Contact form: SPDT
- Flammability rating: UL94V-0 for PBT and PET materials; UL94HB for POM material
- Electrical life @ rated load: 6,000 operations per UL
- Mechanical life: 15 x 106 operations
- Base: PET (polyethyleneterephthalate)
- Cover: PBT (polybutyleneterephthalate)
- Actuator PBT, POM (polyacetal)
- Auxiliary actuator: stainless steel or plastic
- Terminals: silver-plated copper zinc
- Contacts: silver alloy gold cross point



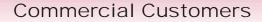
Part No.	Product No.	Contact Rating	Lever Type	Terminals	1	10	100
483971	DB1CB1RB♠	5A @ 125/ 250VAC	Roller	Quick conn. 0.110" straight	\$2.89	\$2.31	\$2.03
483989	DB1CB1RC♠	5A @ 125/ 250VAC	Roller	Quick conn. 0.110" straight	2.89	2.31	2.03
484041	DB1CD5RC♠	5A @ 125/ 250VAC	Roller	PCB terminals left and side	2.89	2.31	2.03
484084	DB2CA1RC♠	10.1A @ 125/ 250VAC	Roller	Short solder	2.86	2.31	2.03
484105	DB2CB1RC♠	10.1A @ 125/ 250VAC	Roller	Quick conn. 0.110" straight	2.89	2.31	2.03
484156	DB3CB1SC♠	0 .1A @ 125/ 250VAC	Simulated	Quick conn. 0.110" straight	1.99	1.69	1.57

DG Series Subminiature Snap-Action Switches

- · Contact form: SPDT
- Lever type: roller 0.075"L
- Small dimensions, just 0.504" x 0.228" x 0.256"
- Electrical life at rated load: 6,000 operations per UL
- Mechanical life: 1 x 106 operations
- Temp. rating: -25°C to +85°C
- Flammability rating: UL94V-0
- Base: PPHS (polyphenelyne sulphide)
- Cover and actuator: PBT (polybutyleneterephthalate)
- Auxiliary actuator: stainless steel

• Termina	ııs: siiver-pi	-					
Part No.	Product No.	Contact Rating	Contacts	Terminals	1	10	100
484578	DG13B1RA♠	3A @ 125VAC, 2A @ 30VDC	Silver alloy	PCB straight	\$3.29	\$2.42	\$1.97
484607	DG13B3RA	3A @ 125VAC, 2A @ 30VDC	Silver alloy	PCB left side	2.95	2.78	2.64
484631	DG23B1RA♠	0.05A @ 30VDC	Gold flash, gold	PCB straight	3.49	2.58	2.10
484666	DG23B2RA♠	0.05A @ 30VDC	Gold flash,	PCB right side	3.89	3.31	2.66

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CHERRY !

CHERRY

DC Series Sealed Subminiature Snap-Action Switches

- Electrical life at rated load: 6,000 operations per UL
 Mechanical life (min.):1 x 10⁶ operations
 Flammability rating: UL94V-0 (PET, PBT material); UL94HB (POM)
 Case: PET (polyethyleneterephthalate) / PBT (polybutyleneterephthalate)

- Actuator: POM (polyacetal) · Auxiliary actuator: stainless steel or plastic
- Terminals: silver plated copper zinc



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Contacts	Terminal Type	1	10	100
484228	DC1CA1RB♠	SPDT	Roller 0.098"L	5A @ 125/250VAC	Silver alloy	Short solder	\$6.95	\$5.78	\$5.01
484236	DC1CA1RC♠	SPDT	Roller 0.185"L	5A @ 125/250VAC	Silver alloy	Short solder	4.85	4.58	3.38
484252	DC1CB3RC♠	SPDT	Roller 0.185"L	5A @ 125/250VAC	Silver alloy	Lead wires	15.05	14.25	10.52
484287	DC1CD5RB♠	SPDT	Roller 0.098"L	5A @ 125/250VAC	Silver alloy	18AWG lead wires	12.49	11.87	8.76
484359	DC2CA1RB♠	SPDT	Roller 0.098"L	10.1A @ 125/250VAC	Silver alloy	Short solder	4.95	3.68	3.01
484367	DC2CA1RC♠	SPDT	Roller 0.185"L	10.1A @ 125/250VAC	Silver alloy	Short solder	4.45	4.21	3.11
484404	DC3AA1RC♠	SPST NO	Roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	Short solder	5.65	5.35	3.95
484412	DC3BB3LB♠	SPST NC	Lever 0.189"L	0.1A @ 125/250VAC	Gold cross point	Lead wires	14.35	13.60	10.04
484447	DC3CA1RB♠	SPDT	Roller 0.098"L	0.1A @ 125/250VAC	Gold cross point	Short solder	5.15	4.90	3.62
484455	DC3CA1SB♠	SPDT	Simulated roller 0.098"L	0.1A @ 125/250VAC	Gold cross point	Short solder	4.75	4.50	3.33
484480	DC3CK6SC♠	SPDT	Simulated roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	PCB terminals	4.99	4.72	3.49
484501	DC3CK7SC♠	SPDT	Simulated roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	PCB terminals	4.99	4.72	3.49
484527	DC3CL1RC♠	SPDT	Roller 0.185"L	0.1A @ 125/250VAC	Gold cross point	Lead wires	5.85	5.53	4.08
484543	DC3CM5RB♠	SPDT	Roller 0.098"L	0.1A @ 125/250VAC	Gold cross point	20AWG lead wires	12.15	11.82	11.67

CHERRYS

Part No.

E21 - E22 - E23 Series Miniature Snap-Action Switches

Moving Blade

- · Long life coil mechanism
- Temperature rating: -40°C to +85°C
- Actuating button: thermoplastic acetalNO & NC terminals: brass

Contact Form Lever Type

- · Roller: sintered stainless steel Product No.
- Electrical life at rated load: 6,000 operations per UL Flammability rating: UL94HB
- · Common terminals: silver plated brass
 - Spring: stainless steel Case: general purpose phenolic
- Recommend #4-40 round head screw

Contact Rating



Auxiliary Actuator Contacts



10

100

424891 424604 425148

Terminal Type

Turtivo.	Troductivo.	OUTILIECT FORTH	zoro: ijpo	oontact reating	Worling Didde	Maximal y Motadion	CONTROCTS	Terminal Type		10	100
424461	E21-00K ♠	SPDT	Roller 0.81"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	\$5.59	\$4.15	\$3.41
424524	E21-30K ♠	SPDT	Roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	4.19	3.94	3.74
424559	E21-50HL♠	SPDT	Lever 1.580"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	7.15	7.07	7.00
424575	E21-50K ♠	SPDT	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Short solder	4.29	4.07	3.61
424583	E21-50KX♠	SPDT	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	4.19	3.90	3.70
424591	E21-50N♠	SPDT	Straight plastic 1.382"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	5.45	5.17	4.91
424604	E21-50NX ◆ *	SPDT	Straight plastic 1.382"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.75	3.55	3.37
424612	E21-51K ♠	SPST NO	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.55	3.37	3.20
424621	E21-51KX ◆ *	SPST NO	Roller 1.34"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.95	3.71	3.52
424639	E21-71KX ◆ *	SPST NO	Roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.65	3.48	3.30
424647	E21-75HX♠	SPDT	Straight 1.58"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.95	3.75	3.54
424655	E21-75KX ◆ *	SPDT	Roller 1.516"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.75	3.56	3.38
424671	E21-85HX♠	SPDT	Lever 2.932"L	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	7.39	5.49	4.46
424680	E21-90K ◆	SPDT	Roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	6.05	5.74	5.45
424698	E21-92N ♠	SPST NC	Simulated roller	0.1A @ 125VAC	Brass	Aluminum	Gold cross point	Quick connect	3.09	2.93	2.78
424735	E22-00K ♠	SPDT	Roller 0.81"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.65	2.53	2.28
424823	E22-50K ♠	SPDT	Roller 1.34"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.65	2.51	2.38
424831	E22-50KL ♠	SPDT	Roller 1.516"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	3.65	2.77	2.28
424840	E22-50KX ◆ *	SPDT	Roller	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.95	2.79	2.65
424858	E22-50P ◆	SPDT	Roller 1.34"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	5.89	5.82	5.76
424891	E22-75KX ◆ *	SPDT	Roller 1.516"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.65	2.49	2.37
424920	E22-90N ♠	SPDT	Straight plastic 1.289"L	3A @ 125/250VAC	Brass	Aluminum	Silver alloy	Quick connect	2.29	2.18	2.07
424954	E23-00H ♠	SPDT	Straight 0.865"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.99	2.96	2.93
424962	E23-00K ♠	SPDT	Roller 0.81"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.85	2.82	2.33
424971	E23-00KX ◆ *	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.85	2.70	2.56
424997	E23-20K ♠	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Solder terminal	2.79	2.65	2.51
425009	E23-40K ♠	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.85	2.69	2.55
425017	E23-50H ♠	SPDT	Lever 1.40"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.39	2.26	2.15
425025	E23-50HL♠	SPDT	Lever 1.58"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.15	3.08	3.05
425033	E23-50HX♠	SPDT	Lever 1.40"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.49	2.35	2.23
425041	E23-50K ♠	SPDT	Roller 1.34"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.85	2.82	2.33
425050	E23-50KX ◆ *	SPDT	Roller 1.34"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.69	2.56	2.43
425068	E23-50N ♠	SPDT	Straight plastic 1.382"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.15	2.04	1.94
425076	E23-50P ◆	SPDT	Roller 1.34"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	5.89	5.83	5.79
425105	E23-70KL♠	SPDT	Roller	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	3.05	2.90	2.75
425121	E23-75KX ◆ *	SPDT	Roller 1.516"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.89	2.74	2.60
425148	E23-90N 	SPDT	Simul. roller plas. 1.289"L	5A @ 125/250VAC	Brass	Cold-rolled steel	Silver alloy	Quick connect	2.09	1.99	1.89

Light force type actuator

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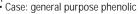


CHERRY 2

- · Long life coil mechanism
- Temperature rating: -40°C to +85°C
- Actuating button: thermoplastic acetal
- Spring: stainless steel

E33 - E34 Series Miniature Snap-Action Switches

- Electrical life at rated load: 6,000 operations per UL
 Flammability rating: UL94HB
 Case:
- Common terminals: silver plated brass • NO & NC terminals: brass
- · Roller: sintered stainless steel



• Recommend #4-40 round head screw



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Auxiliary Actuator	Contacts	Terminal Type	1	10	100
425236	E33-00K ♠	SPDT	Roller 0.81"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	\$3.35	\$2.47	\$2.14
425244	E33-00KT ♠	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	3.19	3.03	2.88
425252	E33-01K♠	SPDT NO	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.55	2.41	2.29
425295	E33-10K♠	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	5.69	5.40	5.13
425316	E33-20K ♠	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Solder terminal	2.65	2.52	2.39
425324	E33-40K♠	SPDT	Roller	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.89	2.73	2.59
425367	E33-50K ♠	SPDT	Roller 1.340"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.35	2.23	2.07
425375	E33-50KL ♠	SPDT	Roller 1.516"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.49	2.33	2.21
425383	E33-50KX ◆ *	SPDT	Roller 1.340"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.65	2.49	2.37
425391	E33-50P♠	SPDT	Roller 1.340"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	5.59	5.30	5.03
425471	E33-75KX ◆ *	SPDT	Roller 1.516"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	1.99	1.90	1.80
425498	E33-90N ◆	SPDT	Simul. roller plas. 1.289"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.05	1.94	1.84
425501	E33-90NX ◆ *	SPDT	Simul. roller plas. 1.289"L	6A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.09	1.96	1.86
455822	E34-00K♠	SPDT	Roller 0.810"L	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	3.55	2.71	2.23
455831	E34-00KX♠	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.55	2.40	2.28
455881	E34-10K ♠	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	4.19	3.94	3.74
455890	E34-11K♠	SPDT NO	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	4.45	4.22	4.01
455902	E34-12K♠	SPDT NC	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Screw terminal	4.49	4.29	4.07
455929	E34-20K ♠	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Solder terminal	2.99	2.82	2.68
456008	E34-50KL ◆	SPDT	Roller 1.516"L	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	2.65	2.52	2.39
456024	E34-50P♠	SPDT	Roller 1.340"L	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	5.65	5.59	5.53
456041	E34-70K ♠	SPDT	Roller	15A @ 125/250VAC	Silver-pltd beryllium copper	Cold-rolled steel	Silver alloy	Quick connect	3.09	2.95	2.79

^{*}Light force type actuator

CHERRY S?

- · Long life coil spring mechanism
- Electrical life: 6,000 operations per UL
- · Case: general purpose phenolic

E53 Series Miniature Snap-Action Switches, Low Torque

- · Low torque rotary actuation
- · Flammability rating: UL94HB
- · Spring: stainless steel

Part No.	Product No.	Contact Form	Terminal Material	Contact Rating	Moving Blade	Actuator	Contacts	Terminal Type	1	10	100
456260	E53-00B ◆	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire clockwise	Gold cross point	Quick conn. 0.205"	\$12.85	\$9.49	\$7.71
456278	E53-00E♠	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire counter-clockwise	Gold cross point	Quick conn. 0.205"	11.65	8.63	7.44
456286	E53-00R ◆	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire clockwise	Gold cross point	Quick conn. 0.187"	10.65	7.86	6.78
456294	E53-00T ◆	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire counter-clockwise	Gold cross point	Quick conn. 0.187"	7.55	7.14	6.78
456307	E53-50T ◆	SPDT	Silver-plated brass	0.1A @ 125VAC	Brass	Wire counter-clockwise	Gold cross point	Quick conn. 0.187"	10.65	10.53	10.43

CHERRY ?

· Long mechanical life

- Electrical life at rated load: 100,000 operations per UL
- Temperature rating: -40°C to +85°C
- · Button: thermoplastic acetal
- · Moving blade: beryllium copper

K Series Miniature Snap-Action Switch • Wiping contact action • Snap over actuators

- Flammability rating: UL04V-0
- Case and cover: thermoplastic polyester
- Auxiliary actuator: cold-rolled steel (nickel plated)
- Recommend #4-40 round head for mounting

Part No.	Product No.	Lever Type	Contact Rating	Terminal Material	Contacts	Terminal Type	1	10	100
512794	KWMAQACT♠	Roller standard ratio 1.340"L	15.1A @ 125/250VAC	Brass	Silver alloy	Quick connect 0.187"	\$3.29	\$3.14	\$2.32

See Our Additional Cherry Miniature Snap-Action Offering at www.Jameco.com/Prod/CherryMiniSnap

CHERRY SP

5

- · Long life coil spring mechanism
- Temperature rating: -40°C to +85°C
- · Actuating button: thermoplastic acetal
- · Spring: stainless steel

E Series Subminiature Snap-Action Switches

- · Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94HB • Terminals: silver-plated commercial bronze
- Auxiliary actuator: cold-rolled steel (nickel-plated)
- Case: thermoplastic
- Recommend #2-56 round head





Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Contacts	Terminal Type	1	10	100
456366	E61-00K ◆	SPDT	Roller 0.203"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	\$4.55	\$3.39	\$2.82
456374	E61-00KP ◆	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	5.25	4.95	4.70
456382	E61-00R ◆	SPDT	Simulated roller 0.196"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.85	4.79	4.75
456391	E61-00RP ◆	SPDT	Simulated roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	6.75	6.41	6.09
456438	E61-10K♠	SPDT	Roller 0.203"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	4.55	3.39	2.82

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CHERRIES IN

E Series Subminiature Snap-Action Switches (Continued)

Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Moving Blade	Contacts	Terminal Type	1	10	100
456446	E61-10R ◆	SPDT	Simulated roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	\$2.35	\$2.31	\$2.29
456497	E61-30K♠	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.49	3.39	2.82
456526	E61-31K♠	SPST NO	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	2.75	2.71	2.69
456569	E61-50K♠	SPDT	Roller 0.326"L	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	3.59	3.39	3.14
456614	E61-60K ◆	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	4.85	3.58	3.09
456649	E61-80K ◆	SPDT	Roller	5A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.85	3.58	3.09
456690	E62-00K ♠	SPDT	Roller 0.203"L	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.59	3.42	3.04
456729	E62-02K ◆	SPST NC	Roller 0.203"L	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.55	4.08	3.88
456753	E62-10K♠	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	4.59	3.42	3.04
456809	E62-30K♠	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	3.39	3.20	3.04
456833	E62-50K♠	SPDT	Roller 0.326"L	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	4.85	3.86	3.15
456850	E62-60K♠	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Short solder	3.39	3.20	3.04
456876	E62-80K♠	SPDT	Roller	10.1A @ 125/250VAC	Beryllium copper	Fine silver	Quick connect	2.99	2.84	2.70
456913	E63-00K♠	SPDT	Roller 0.203"L	0.1A @ 125VAC	Beryllium copper	Gold cross point	Quick connect	7.05	5.33	4.48
456972	E63-10K♠	SPDT	Roller	0.1A @ 125VAC	Beryllium copper	Gold cross point	Short solder	7.05	5.33	4.48
457019	E63-30K♠	SPDT	Roller	0.1A @ 125VAC	Beryllium copper	Gold cross point	Quick connect	7.15	5.70	4.64
457094	E63-80K♠	SPDT	Roller	0.1A @ 125VAC	Beryllium copper	Gold cross point	Quick connect	4.99	4.72	4.48



E72/E73 Series Sealed Subminiature Snap-Action Switches

- Moisture resistant
 Long life coil spring mechanism
- Electrical life at rated load: 6,000 operations per UL
- Flammability rating: UL94V-0
- Potting: macromelt polyamide

- Water resistant, weatherproof hydrin boot
- Temperature rating: -40°C to +85°C
- Case & button: hi-temp thermoplastic nylon

Recommended #6-32 round head screw



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Actuator	Contacts	Terminal Type	1	10	100
457414	E72-42KT♠	SPST NC	Roller 0.650"L	10.1A @ 125/250VAC	Stainless steel	Silver alloy	Quick connect	\$11.75	\$8.73	\$7.44
457431	E73-40KT♠	SPDT	Roller 0.650"L	0.1A @ 125VAC	Stainless steel	Gold cross point	16AWG lead wires	10.55	10.00	9.50

CHERRY !!

E Series General Purpose Snap-Action Switches

Single and Double Pole

- · Long life coil mechanism
- Temperature rating: 105°C standard
- Case: general purpose phenolic Terminals: 0.250" quick connect
- Lower \$\$\$ • Electrical life at rated load: 6,000 operations per UL
 - Flammability rating: UL94HB Actuating button: thermoplastic nylon
 - Auxiliary actuators: cold-rolled steel (nickel plated)
- Roller: sintered stainless steel
 Spring: stainless steel
 Recommended #6-32 round head screw



Part No.	Product No.	Contact Form	Lever Type	Contact Rating	Common Terminal	NO/NC Terminal	Moving Blade	Contacts	1	10	100
424057	E13-01H ♠	SPST NO	Lever 1.500"	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	\$3.79	\$2.80	\$2.41
424137	E13-50H	SPDT	Lever 1.500"	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	2.85	2.76	2.70
424022	E13-00K	SPDT	Roller 1.391"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	\$5.79 _{3.45}	3.39	3.32
424065	E13-01K♠	SPST NO	Roller 1.391"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	4.59	4.53	4.49
424129	E13-11K♠	SPST NO	Roller 1.391"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	5.79	4.29	3.48
424145	E13-50K♠	SPDT	Roller 1.645"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	2.95	2.81	2.67
424161	E14-00H ◆	SPDT	Lever 1.500"	25A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	4.39	3.48	2.84
424250	E14-50K♠	SPDT	Roller 0.902"L	25A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	3.39	3.22	3.06
424348	E19-50K ◆	DPDT	Roller 0.902"L	15A @ 125/250VAC	Brass	Brass	Brass	Silver-cadmium oxide	10.19	7.52	6.10
424381	E20-00K ◆	DPDT	Roller 0.652"L	20A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	6.85	6.48	5.96
424436	E20-50K ♠	DPDT	Roller 0.902"L	20A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	7.65	7.26	6.51
425164	E30-00K ♠	SPDT	Roller 0.652"L	30.1A @ 125/250VAC	Silver-plated brass	Copper	Silver-pl. beryllium copper	Silver-cadmium oxide	3.85	3.79	3.75
See Our Cherry E19A & G13 Series General Purpose Snap-Action Offering at www.Jameco.com/Prod/CherryMiniSnap											

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Snap-Action Switches

A Series General Purpose

- Low cost—high performance
- · Contact rating: 30.1A @ 277VAC
- Insulation resistance: $1000M\Omega$ min. Operating temp.: -55°C to +85°C

LC Series Subminiature Precision

- Long life and high electrical capacity Contact rating: 10.1A @ 250VAC
- Insulation resistance: $1000M\Omega$ min. Operating temp.: -25° C to $+85^{\circ}$ C

MM Series Miniature Subminiature Precision

- · Low level and power switching
- Increased overtravel
- Contact rating: 7A @ 250VAC
- Operating temp.: -55°C to +135°C
- · Long electrical & mechanical life
- Reliable snap-acting mechanism
- Insulation resistance: $1000M\Omega$ min.

A Series







TF Series

- TM Series Miniature · Cost-effective solution
- Insulation resistance: 1000MΩ min.
- TF Series Miniature
- · Contact rating: 15A @ 250VAC • Operating temp.: -55°C to +150°C

- · Broad range or operating forces
- Insulation resistance: $1000M\Omega$ min.
- · Contact rating: 25A @ 277VAC • Operating temp.: -40°C to +85°C

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See Our Complete C&K Snap-Action Switch Offering at www.Jameco.com/Prod/CKSnap

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Snap-Action, Thumbwheel & Pushwheel Switches





Miniature Snap-Action Switches



	Product		Contact				Pricing	
Part No.	No.	Current Rating	Form	Actuator	Terminals	1	25	50
617596	35-824♠	10A @ 125VAC	SPDT	Lever	0.187" QC	\$3.09	\$2.99	\$2.90
617609	35-827♠	10A @ 125VAC	SPDT	Lever roller	0.187" QC	5.15	4.83	4.56
617650	35-840♠	10A @ 125VAC	SPDT	Lever	0.187" QC	5.65	4.01	3.82
617668	35-842♠	15A @ 125VAC	SPDT	Lever	0.187" QC	4.09	3.75	3.61
617676	35-844♠	15A @ 125VAC	SPDT	Lever	0.187" QC	2.79	2.42	2.07
617684	35-846♠	10A @ 125VAC	SPDT	Lever roller	0.187" QC	3.65	3.09	2.61
617692	35-848♠	15A @ 125VAC	SPDT	Lever roller	0.187" QC	3.49	2.94	2.46
617801	35-872♠	10A @ 125VAC	SPST NO	Pin plunger	0.187" QC	3.15	2.68	2.29
617836	35-878♠	10A @ 125VAC	SPDT	Simulated roller	0.187" QC	4.55	4.24	4.01
617844	35-880	10A @ 125VAC	SPDT	Lever	0.187" QC	2.39	2.21	2.07
622475	35-3932♠	20A @ 250VAC	SPDT	Pin plunger	0.187" QC	5.95	5.20	4.53
622483	35-3934♠	10A @ 125VAC	SPDT	Lever	0.187" QC	2.55	2.23	1.96
622521	35-3945♠	15A @ 277VAC	SPDT	Lever	0.187" QC	5.65	4.95	4.31



General Purpose Snap-Action Switches

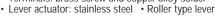


			Contact			Pricing		
Part No.	Product No.	Current Rating	Form	Actuator	Terminals	1	10	100
617001	35-461♠	15A @ 480VAC	SPDT	Plunger	0.250" QC	\$2.25	\$2.07	\$1.91
617019	35-462♠	15A @ 480VAC	SPDT	Plunger	0.250" QC	4.79	4.39	4.02
617027	35-463♠	15A @ 480VAC	SPDT	Roller	0.250" QC	5.29	4.82	4.41
617941	35-982♠	20A @ 125VAC	SPDT	Plunger	Solder/screw	14.65	12.53	10.56
622441	35-3908♠	20A @ 125VAC	SPDT	Plunger	Screw	13.65	11.99	10.40
622467	35-3916♠	20A @ 125VAC	SPDT	Lever	Screw	9.95	8.55	7.28



GP Series Heavy-Duty Snap-Action Switches

- · Ultra small travel differential · Contact form: SPDT
- Mechanical life tested to 1 million cycles
- Contact rating: 15A @ 250VAC (UL); 15A @ 250V (VDE)
- Dielectric strength: 1000VAC 50/60Hz for 1 minute
- Insulation resistance: $100M\Omega$ at 500VDC
- Initial contact resistance: 15mΩ max.
- Temp. range: -20°C to +85°C Case & cover: phenolic
- Spring: beryllium copper alloy
 Contacts: silver alloy
- Terminals: brass screw and copper alloy solder







Part No.	Product No.	Terminals	1	10	100
511919	GPSCRG01♠	Solder metric	\$12.75	\$8.48	\$7.31
511927	GPSCRG11♠	Solder US	7.35	6.98	6.27
511935	GPSCRH01♠	Solder metric	18.59	12.37	10.67
511943	GPSCRH02♠	Solder metric	18.59	12.37	10.67
511951	GPSCRH11♠	Solder US	18.95	12.62	10.52
511960	GPSCRH12♠	Solder US	18.59	12.37	10.31
511978	GPSCRM01♠	Solder metric	9.65	6.43	5.54
511986	GPSCRM11♠	Solder US	9.85	6.56	5.47
511994	GPSCRR01♠	Solder metric	8.79	5.86	5.05
512006	GPSCRR11♠	Solder US	4.99	4.71	4.23
512014	GPSCRS01♠	Solder metric	9.65	6.43	5.54
512022	GPSCRS11♠	Solder US	5.45	5.17	4.64
512170	GPTCRG01♠	Screw metric	12.05	8.02	6.92
512188	GPTCRG11♠	Screw US	12.05	8.02	6.68
512196	GPTCRH01♠	Screw metric	18.59	12.37	10.67
512217	GPTCRH11♠	Screw US	10.49	9.96	8.95
512225	GPTCRH12♠	Screw US	18.95	12.62	10.52
512233	GPTCRM01♠	Screw metric	9.65	6.43	5.54
512241	GPTCRM11♠	Screw US	5.89	5.61	4.94
512250	GPTCRR01♠	Screw metric	8.79	5.86	5.05
512268	GPTCRR11♠	Screw US	8.99	5.98	4.98
512276	GPTCRS01♠	Screw metric	9.65	6.43	5.54
512284	GPTCRS11♠	Screw US	9.85	6.56	5.47

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3P Series Miniature Pushwheel Switches

- Contact rating: carry 1A continuous; switch – 0.4W max., 100mA max., 28VDC max.
- Operating voltage: 50mV to 28VDC
- Electrical life: 1,000,000 actuations
 Insulation resistance: 10°Ω min. (dry)
- Dielectric strength: 500V_{RMS} min.
- Contact resistance: below 300mΩ typ. @ 2-4VDC, 100mA
- Rotor contacts: gold over nickel over copper alloy
- · Stator contacts: hard gold over nickel over copper on epoxy fiberglass
- Pushwheel: polycarbonate
 Housing & pushbutton: polycarbonate (UL94V-0)

Part No.	Product No.	Terminals	Termination	1	10	50
569088		BCD 1-2-4-8, snap-in front mount w/ dust lens	Standard PCB	\$11.55	\$9.79	\$8.39
569109	3P0210A02♠	BCD 1-2-4-8, snap-in front mount w/ dust lens	Extended PCB with solder pins	13.39	12.20	11.09

-8

3 Series Thumbwheel Switches

- Contact rating: carry 1A continuous; switch 100mA max.
- Operating voltage: 50mV to 28VDC or 120VAC
- Electrical life: 100,000 actuations
- Contact resistance: below $100m\Omega$ typical initial @ 2-4VDC @ 100mA Insulation resistance: $10^{\circ}\Omega$ min.
- Dielectric strength: 500V_{RMS} min.
- Housing and thumbwheel: ABS plastic
- Rotor contacts: precious metal on copper alloy
- · Stator contacts: hard gold over nickel over copper
- Typical applications: test & measurement equipments, industrial equipment, computer devices



57795

Part No.	Product No.	Terminals	Termination	1	10	50
577846	301109000♠	Decimal, SP 10 pos., snap-in front mount	Standard PCB	\$8.65	\$7.78	\$7.69
577854	301119000	Decimal, SP 10-pos., rear mnt.	Standard PCB	9.89	9.80	9.70
577862	301409100♠	Resistor decade, snap-in front mount	Extended PCB	10.45	9.42	9.31
577871	302109000♠	BCD, 10-position, snap-in front mount	Standard PCB	8.65	7.78	7.69
577900	302119000♠	BCD, 10-position, rear mount	Standard PCB	8.65	7.78	7.69
577942	307109000	BCH, 16-pos., snap-in fr. mnt.	Standard PCB	43.89	41.69	39.60
577951	307119000♠	BCH, 16-pos., rear mount	Standard PCB	46.35	44.00	39.60

3 Series Thumbwheel Switch Accessories

Part No.	Product No.	Description	1	10	50
577969	400402000♠	Black rear mount end plates, type 1	\$.33	\$.309	\$.285
578005	412701000♠	Screw 0-80UNF thread, 3-4 front mount	1.89	1.78	1.73
578013	412702000♠	Screw 0-80UNF thread, 5-7 front mount	1.89	1.78	1.73
578021	412703000♠	Screw 0-80UNF thread, 8-10 front mount	2.59	2.06	1.85
578030	413402000♠	Black front mount end plates, type 0	1.30	1.23	1.20
578048	413502000♠	Blk fr. mnt. blank sections, 0.315"T, type 0 & 3	1.59	1.49	1.45

Alcoswitch

Pushwheel Switches

- Contact rating: 0.4VA @ 20VDC
- Operating temp: -20°C to +80°C Front mount
- Mechanical life: more than 1,000,000 operations

SMCD Series Mini Bidirectional

- · Large visible readout characters
- · Protected by dust-sealed windows
- Snap together grouping and snap-in panel mounting minimize installation time and cost

DPS9 Series Bidirectional

- Dual pushbutton code switches have identical height but differ in width
- · Can directly retrofit common thumbwheel switches

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See Complete Alcoswitch Pushwheel Offering at www.Jameco.com/Prod/AlcoPushwheel









Pushbutton Binary Coded Decimal (BCD) Switch

Thumbwheel Binary Coded **Decimal (BCD) Switch**

26789 (2 switches shown)



(2 switches shown) 26818

Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- 1/16" maximum panel thickness
- · Gold plated BE-CU alloy contacts 0.15A @ 50VAC/28VDĆ

· Break before make · Switches snap together

- Operating temperature: -40°C to +85°C · Continuous load: 1 amp max.
- Front snap-tab mounting w/ end plates

	Cross		Size	Character		Pricing		
Part No.	Ref. No.	Description	(L" x W" x D")	Height	1	10	50	100
26789	MX72 ≈	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$5.69	\$5.15	\$4.65	\$4.15
26761	MXEP2⊕	Mounting end plates for 26789	1.2 x 0.2 x 1.1	_	1.15	.99	.89	.79
26818	MX83 ≈	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.49	3.95	3.55	3.19
26770	MXEP3⊕	Mounting end plates for 26818	1.2 x 0.2 x 1.3	_	1.05	.88	.84	.77



Mini Pushbutton **BCD Switch**

NEW

īw

Operating temperature: -10°C to +65°C

- 28VDC @ 10A
- Break before make
- Switches snap together
- Positive logic ("0" all open output) Size L = 0.59", W = 0.30", S = 1"

Character height: 0.12"

Part No.	Cross Ref. #	Description	1	10	100
136558	MX061 	10-pos. straight	\$3.79	\$3.41	\$3.06

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Pushwheel Switches

- Contact resistance: 0.1Ω max.
- · Dielectric strength: 500V
- Max. non-switching current: 1A
- Housing material: PPO (noryl)
- Electrical rating: 0.1A/50V • Mechanical cycle: 10,000,000 operations

• Insulating resistance: 10,000M Ω

· Contacts: WE alloy

PA Series

- · Selector switches with very small dimensions for front-mounting Printed circuit board: glass filled epoxy,
- copper-plated gold over nickel
- Mounting: front mounting, snap-in end caps





577053

•	Terminals:	gold-plated	quick	connect	terminal	or solder	pins

Part No.	Product No.	Description	Pos.	1	10	50
577037	PABA3000 ♠	Octal (0-7), short PCB	8	\$16.95	\$15.06	\$10.40
577045	PABA3114♠	Octal (0-7), short PCB	8	18.85	16.71	11.19
577053	PACA3000♠	BCD (0-9), short PCB	10	14.55	10.20	8.95
577061	PACA3100♠	BCD (0-9), short PCB	10	16.35	14.47	9.68
577070	PACA3114♠	BCD (0-9), short PCB	10	16.35	14.47	9.68
577088	PACA4000♠	BCD (0-9), extended PCB	10	17.75	15.80	10.91
577096	PAEA3000♠	BCD compliment (0-9), short PCB	10	22.45	20.00	13.81
577109	PAGA3100♠	Hexadecimal (0-9, A-F), short PCB	16	12.65	8.83	7.75
577117	PAGA3114	Hexadecimal (0-9 A-F) short PCB	16	12 65	11 22	10 15

PA Series Accessorie

Part No.	Product No.	Description	1	10	50
423599	609-0797♠	Housing, 7.62mm	\$.93	\$.83	\$.69



Decimal/BCD/BCD Compliment/Hexadecimal for PA Series

Part No.	Product No.	Description	1	10	50
482425	C2K0N107♠	Solder pins without flange	\$5.29	\$5.00	\$4.13
482433	C2K0P107♠	Solder lugs without flange	3.75	3.33	3.13
482468	C2R0P8AD	Solder pins without flange, for decimal type	5 15	4 86	4 02

PB Series

- · Selector switches with 6mm width for compact building of blocks with a larger number of modules
- Printed circuit board: copper-plated gold over nickel
- · Mounting: front mounting, snap-in end caps
- Terminals: 0.6mm x 0.5mm solder pins with 2.54mm center spacing
- PCB flush with housing, with solder pins

ENGLARA

Part No.	Product No.	Description	Pos.	1	10	50
577125	PBC1E015♠	BCD (0-9)	10	\$7.49	\$5.22	\$4.96



Part No.	Product No.	Description	1	10	50
423636	609-1346♠	Left endcap	\$.44	\$.42	\$.399
423644	609-1347♠	Right endcap	.44	.42	.399



PE Series

- · Selector switches for easy snap in front-mounting
- Printed circuit board: glass filled epoxy, copper-plated gold over nickel
- · Terminals: quick connect gold-plated or solder pins

577150

Part No.	Product No.	Description	Pos.	1	10	50
577133	PEAA3000 ◆	Decimal (0-9), short PCB	10	\$16.85	\$14.98	\$10.34
577141	PECA3000♠	BCD (0-9), short PCB	10	16.45	14.61	10.08
577150	PECA4000♠	BCD (0-9), extended PCB	10	20.79	18.51	12.78
577168	PEEA3000♠	BCD compliment (0-9), short PCB	10	15.29	14.52	13.72
577176	PEGA3000♠	Hexadecimal (0-15), short PCB	16	22.65	15.83	13.90
577184	PEHA3000 ◆	Hexadecimal (0-9, A-F), short PCB	16	22.35	15.63	13.72

BCD/BCD Compliment/ Hexadecimal for PE Series

Part No.	Product No.	Description	1	10	50
482450	C2R0P111♠	Solder pins without flange	\$3.75	\$3.33	\$3.01
482476	C2RFN116♠	Solder lugs with flange	4.05	3.56	3.34

KS Series Single Pole Switches

- Typical applications: telecommunications, industrial, instrumentation
- Contact resistance: below 100mΩ initial @ 2-4VDC, 100mA
- · Dielectric strength: 1,000VRMS
- · Actuator: ABS or polycarbonate ABS blend, matte finish, black
- Cap color: black except for P/N 583357 red
- - · Positive tactile feel
 - Insulation resistance: 1,000M Ω min.
 - Case: glass filled nylon (UL94V-0)
 - · Cap: round depression
- · Electrical life: 10,000 actuations

100

- · PC terminals
- · Terminal seal: epoxy
- SPST OFF-MOM



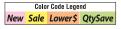


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ROHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Includes: Mounting nut

Cross

Ref. No

KS4B**₹**

KS3B**₹**

3313E-M₹

JAMECO ValuePro SPST Round Keylock Switches

Length

0.55

1.48"

1.48

 Used in computer & other security systems Key removable from 2 positions
 Two keys

 Mounting hole = 0.75" except P/N 106650 = 0.5" 196649: all keys are alike

No. Flat. Dia

2. 0.21"

2, 0.66"

2. 0.66"



Terminal

Barrel

0.25" quick connect

0.25" quick connect



4.49

10000	•	100	002/1700	, , ,	Ш
		Pric	ing		Ш
Voltage/Current	1	10	50	100	
125VAC/3A	\$3.59	\$3.29	\$2.89	\$2.49	

3.59

3.99

3.29

3.65

2.99

3.29

Alcoswitch Keylock Switches SKF Series

· Contact rating: 1A @ 120VAČ resistive



SKT Series Contact rating: Gold - 0.4VA max. @ 20VDC or peak AC; Silver - 3A @ 125VAC/28VDC resistive

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See Our Alcoswitch Keylock Switch Offering at www.Jameco.com/Prod/AlcoKeylock



Part No

106650

105832

196649

Keylock Switches

125VAC/6A

125VAC/6A

· Contact rating: 2A @ 250VAC/4A @ 28VDC · Includes nut & 2 keys · 621317: 2.1A @ 46VDC (96VAC); includes nut, screw, ring, & key

				Key		Mounting		Pricing	
Part No.	Product No.	Poles	Lock Type	Removal	Terminal	Hole (ins.)	1	10	50
621317	35-196	SPST on-off	5 disk tumbler	2	Screw	0.875	\$13.69	\$12.98	\$12.33
621843	35-3192♠	DPDT on-on	4 tumber w/ detent	2	Solder eyelet	0.760	14.45	13.36	12.22
621851	35-3193♠	SPDT on-on	6 tumbler w/ tube lock	2	6" wire	0.76 x 0.64	16.45	15.15	13.84
621860	35-3194♠	SPDT on-on	6 tumbler w/ tube lock	1	6" wire	0.76 x 0.64	15.15	13.75	12.68
621878	35-3195♠	SPDT on-(on)	4 tumbler	1	6" wire	0.76 x 0.64	14.05	12.92	11.80
621886	35-3197♠	SPDT on-on-on	4 tumbler	1	Solder lug	0.76 x 0.6	12.05	11.03	10.02

A Series





Keylock Switches

A Series 4 & 5 Tumbler 1-4 Poles

· Contact rating: 2.5A @ 125VAC; 350mA @ 125VDC BY Series 4 Tumbler Value Added Security

Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC

H Series 4 & 6 Tumbler Power

· Contact rating: 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC

P Series 4 Tumbler Snap-in

Contact rating: 4A @ 125VAC; 1A @ 250VAC

W Series 4 & 6 Tumbler

Contact rating: 4A @ 125VAC; 2A @ 250VAC

Y Series 4, 5 & 6 Tumbler

Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC

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Pushbutton Switches

JAMECO ValuePro Lower \$\$\$ Fig. 8





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Fig. 10







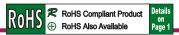
Fig. 11

1 19. 0	
一	
Fig. 12	

	Cross			Mounting	Туре	Dimensions	Lead S	pacing			Button			Pricing		
Part No.	Ref. No.	Fig.	Pins	Hole Dia.	() Momentary	(L" x W" x D")	Α"	В"	Contact Rating	Terminal Type	Color	1	10	100	500	1000
315432	R13-23A-R⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Red \$1	²⁹ \$1.13	\$1.05	\$.90	\$.83	\$.78
315483	R13-23B-R⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Red	1.29	1.19	.99	.92	.87
315442	R13-23A-B ≉	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315492	R13-23B-B ₹	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315504	R13-23B-BL⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Blue	1.10	.99	.84	.67	.51
315475	R13-23A-Y⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Yellow	1.10	.99	.84	.67	.51
315521	R13-23B-Y⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	_	3A @ 125VAC	Solder	Yellow	1.10	.99	.84	.67	.51
315598	R13-40A-R⊕	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	_	3A @ 125VAC	Solder	Red	1.13	1.02	.87	.70	.53
315619	R13-40B-R⊕	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	_	3A @ 125VAC	Solder	Red	1.59	1.43	1.22	.98	.74
315580	R13-40A-B⊕	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	_	3A @ 125VAC	Solder	Black	1.35	1.22	1.04	.83	.62
315601	R13-40B-B⊕	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	_	3A @ 125VAC	Solder	Black	1.32	1.19	1.01	.81	.61
26623	MS102 ₹	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	_	.14	3A @ 125VAC	Solder lugs	Red	.55	.50	.45	.35	.29
26649	MS103⊕	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	_	.17	3A @ 125VAC	Solder lugs	Black	.55	.50	.42	.34	.26
315643	R13-81-R⊕	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	_	.5A @ 125VAC	PC terminal	Red	1.45	1.31	1.11	.89	.67
154879	PS11-123 €	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37		.14	5A @ 125VAC	Solder, right angle	Red	1.99	1.89	1.79	1.69	1.59

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product 😁 This product is available in both ROHS and non-RoHS versions. Add an "R" before part number for ROHS version.



JAMECO ValuePro

Pushbutton Switches (Continued)

Quantity SAVE



	Cross			Mounting	Туре	Dimensions	Lead S	pacing			Button			Pricing		
Part No.	Ref. No.	Fig.	Pins	Hole Dia.	() Momentary	(L" x W" x D")	A"	B"	Contact Rating	Terminal Type	Color	1	10	100	500	1000
71643	SWB210₹	6	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	\$2.19	\$1.99	\$1.78	\$1.60	\$1.39
202999	BB16	7	3	1/4"	SPDT on-on	.39 x .35 x .35	.18	.10	0.1A @ 28VAC	Solder right angle	White	1.18	1.06	.90	.72	.54
121305	CK8121 2	8	3	1/4"	SPDT on-(on)	.52 x .27 x .38	_	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65	2.39
28063	PB126 ₹	8	3	1/4"	SPDT on-(on)	.52 x .28 x .38	_	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69	2.45
355451	J1881⊕	9	2*	3/8"	SPST on-off, Alt [†]	.65 x .52 x .40	.25	_	2A @ 14VAC	5" Pigtail	White	1.19	1.07	.91	.73	.57
355469	J1882⊕	9	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	_	2A @ 14VAC	5" Pigtail	Red	1.09	.98	.83	.74	.66
174414	R13-510A⊕	10	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	_	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74	.69
						Oth	ner Ma	anufa	cturers							
154878	PS11-123	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37		.14	5A @ 125VAC	Solder, right angle	Red	\$1.79	\$1.61	\$1.37	\$1.16	\$.87
200774	TPI2SH8AQE	7	3	7/32"	SPDT off-(on)	.32 x .20 x .33	.20	.10	1A @ 120VAC	PC right angle	Black	4.79	4.35	3.65	2.75	1.99
22200	J1881⊕	11	2*	3/8"	SPST on-off, Alt [†]	.65 x .52 x .40	.25	_	2A @ 14VDC	5" Pigtail	White	1.09	.98	.83	.67	.50
22218	J1882⊕	11	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	_	2A @ 14VDC	5" Pigtail	Red	.99	.88	.79	.71	.62
307889	DS133	12	2	29/64"	SPST off-(on)	1.03 x .56 x .46	_	_	10A @ 125VAC	Solder Lugs	Black	4.15	3.73	3.17	2.54	1.90

[†] Alt = alternate action

JAMECO ValuePro

• 6A@125V or 3A@250V

Miniature Pushbutton Switches · Material: Alkyd base (UL94V-0), stainless steel cover

Quantity SAVE







	Cross		Mounting	Туре	Dimensions	Lead	Spacing	Contact Rating		Button	Pricing				
Part No.	Ref. No.	Pins	Hole Dia.	() Momentary	(D" x E")	A"	B"	(A @ VAC)	Terminal Type	Color	1	10	100	500	1000
315395	PA101A1-B/BL⊕	2	1/4"	SPST on-off	1.2 x 1.7	.185	_	6 @ 125	Solder	Black	\$2.45	\$2.21	\$1.87	\$1.50	\$1.12
315388	PA101A1-R/BL₹	2	1/4"	SPST on-off	1.2 x 1.7	.185	_	6 @ 125	Solder	Red	2.79	2.53	2.28	2.05	1.93
315379	PA102A1-B/BL⊕	3	1/4"	SPDT on-on	1.2 x 1.7	.185	_	6 @ 125	Solder	Black	2.89	2.63	2.37	2.14	1.99
		<u> </u>			Ot	ther IV	lanufa	acturers							
447072	TP32Y0030050‡	3	1/4"	SPST_on-on	0.7 x 0.8	.11	_	0.4 @ 20	Solder	Black	\$2.59	\$2.37	\$2.13	\$1.90	\$1.75

[‡] Sub miniature

Button-Switch® & Cord-Switch® Switchcraft^{*}

· Epoxy sealed

297300: Button-Switch®

- SPST-on (on)
- Color: black Mounting hole size: .469" Panel thickness: .297" max. Rating: 250mA, 30W maximum, AC, non-inductive load
- Compatible with P/N 297502

297502: Cord-Switch®

- Copper alloy plated housing and switch bushing
 Maximum cable side diameter: .375"
- SPST-on (on) red pushbutton switch (same rating as P/N 297300) Plastic insulation Product No. Description 10 25 297300 913⊕ Button-switch \$2.60 \$2.54 ED903**≉** 297502 8.55 Cord-switch 8.43

297300

297502

Switch Grab Bags

18235: 50 pcs. assorted toggle, pushbutton, rocker and slide switches 135378: 1 lb. (appox. 135 pcs.) assorted - toggle, pushbutton, rocker and slide switches



Part No.	Cross Ref. No.	wt. (ibs.)		10
18235	GB165	0.4	\$8.75	\$7.69
135378	GB165LB	1.0	18.95	16.95

Fig. 3

Standard Pushbutton Switches

Typical applications: computer equipment & peripherals, telecommunications, networking equipment, instrumentation, detection, medical & test equipment • Mounting hardware included

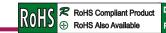
			Mounting	Туре	Key		Button	Actuator		Pricing	
Part No.	Product No.	Fig.	Hole Dia.	() Momentary	Contact Rating	Terminal Type	Color/Material	length	1	10	100
621907	35-3425♠	1	0.50"	SPST on-off	10A @ 125VAC	Screw	Chrome metal	0.415"	\$5.15	\$4.70	\$4.28
621915	35-3427♠	1	0.50"	SPST NO (on)-off	15A @ 125VAC	Screw	Chrome metal	0.415"	4.25	3.90	3.57
621923	35-3429♠	1	0.50"	SPST NC on-(off)	15A @ 125VAC	Screw	Chrome metal	0.415"	4.89	4.43	4.07
621958	35-3454	2	0.50"	SPST NC on-off	10A @ 125VAC	6" lead wires	Black plastic	0.41"	4.69	4.24	4.03
621966	35-3457♠	3	0.50"	SPST NO (on)-off	6A @ 125VAC	Screw	Black plastic	0.212"	2.69	2.47	2.26
621974	35-3458♠	3	0.50"	SPST NC (off)-off	3A @ 120VAC	Screw	Red plastic	0.212"	2.89	2.65	2.42
622002	35-3484	4	0.641"	SPST NO off-(on)	25A @ 6VDC	Screw	Black chrome	0.49"	10.09	9.22	9.07
622011	35-3490♠	1	0.50"	SPDT on-off	15A @ 125VAC	Screw	Chrome metal	0.415"	6.95	6.36	5.81
616850	35-420	5	0.50"	SPST NO off-(on)	3A @ 250VAC	Solder eyelet	Red plastic	0.354"	1.25	1.13	1.03
616868	35-421♠	6	0.50"	SPST NO off-(on)	3A @ 250VAC	Solder eyelet	Red plastic	0.244"	1.65	1.49	1.37
616876	35-422♠	6	0.50"	SPST on-off	3A @ 250VAC	Solder eyelet	White plastic	0.354"	4.55	3.96	3.41
616884	35-423♠	_	0.687"	SPST NO off-(on)	3A @ 125VAC	Solder eyelet	Red plastic	0.125"	1.79	1.65	1.54
616905	35-432♠	—	0.50"	SPST NC on-(off)	6A @ 125VAC	Solder eyelet	Chrome metal	0.468"	8.25	7.55	6.96
616930	35-449♠	—	0.50"	SPST on-off	6A @ 125VAC	Screw	Chrome metal	0.415"	7.05	6.17	5.37
616964	35-455♠	7	1.02"	SPST on-off	16A @ 125VAC	0.250" QC	Red plastic	0.157"	5.95	5.34	4.78
616972	35-457♠	5	1.02"	SPST NO (on)-off	16A @ 125VAC	0.250" QC	Red plastic	0.157"	5.75	4.97	4.29
616981	35-458♠	—	0.50"	SPST NC (off)-off	3A @ 120VAC	Screw	Red plastic	0.212"	9.35	8.12	7.04
616999	35-459♠	5	1.02"	SPST NO (on)-off	16A @ 125VAC	0.250" QC	Black plastic	0.157"	5.19	4.59	4.07
617043	35-473♠	8	0.465"	SPDT NO/NC	15A @ 250VDC	0.250" QC	Red plastic	0.283"	6.15	5.65	5.19



This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Details on page 1.

^{*}Lead wires





GC

Mini Pushbutton Switches

· Typical applications: computer equipment & peripherals, telecommunications, networking equipment, instrumentation, detection, medical & test equipment Mounting hardware included



















		_	1				T .				
			Mounting	Туре	Key		Button	Actuator		Pricing	
Part No.	Product No.	Fig.	Hole Dia.	() Momentary	Contact Rating	Terminal Type	Color/Material	length	1	10	100
621982	35-3460♠	9	0.375"	SPST on-off	6A @ 125VAC	6" lead wires	Brass canopy	0.36"	\$2.89	\$2.65	\$2.42
621991	35-3471♠	10	0.50"	SPST NC on-(off)	2A @ 120VAC	Screw	White round	0.465"	2.75	2.53	2.32
616729	35-400♠	11	0.172"	SPST NO off-(on)	0.5A @ 125VAC	Solder lug	Black pin	0.175"	4.75	4.20	3.70
616737	35-402♠	12	0.172"	SPST NC on-off	0.25A @ 125VAC	Solder lug	Black pin	0.175"	7.39	6.56	5.77
616745	35-404♠	13	0.250"	SPDT on-on	3A @ 125VAC	Solder eyelet	Black round	0.315"	4.99	4.50	4.05
616753	35-405♠	13	0.250"	DPDT on-on	3A @ 125VAC	Solder eyelet	Black round	0.315"	6.35	5.57	4.83
616761	35-406♠	14	0.343"	SPST on-off	3A @ 125VAC	Solder eyelet	Black round	0.315"	4.55	3.95	3.43
616770	35-408♠	14	0.343"	SPDT on-on	3A @ 125VAC	Solder eyelet	Black round	0.315"	4.09	3.69	3.33
616788	35-409♠	14	0.343"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black round	0.315"	3.75	3.36	3.02
616809	35-411♠	15	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black round	0.157"	.99	.87	.77
616817	35-412♠	16	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black square	0.157"	3.05	2.64	2.29
616825	35-413	17	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Black rectangle	0.157"	3.05	2.64	2.29
616833	35-415♠	18	0.5"x0.437"	SPST NO (on)-off	1A @ 125VAC	0.187" QC	Red square	0.10"	1.45	1.27	1.11
616841	35-417♠	17	0.431"	SPST NO (on)-off	3A @ 125VAC	Solder eyelet	Red rectangle	0.157"	3.05	2.64	2.29
616948	35-450♠	19	0.25"	SPDT NC on-(off)	1A @ 120VAC	Solder eyelet	White pin	0.218"	6.25	5.53	4.88
616956	35-451♠	20	0.25"	DPDT NC on-(on)	1A @ 120VAC	Solder eyelet	White pin	0.218"	8.45	7.30	6.25
617051	35-475♠	21	0.50"	SPST NO (on)-off	0.5A @ 125VAC	6.3mm tab	Black round	0.39"	4.65	4.34	4.01
617115	35-491♠	22	_	DPDT (on)-(on)	0.5A @ 100VAC	PCB solder	Black button	0.406"	3.55	3.41	3.28
617705	35-852♠	23	0.375	SPST on-off	6 @ 125VAC	6" lead wires	Black canopy	0.344"	2.55	2.40	2.27









Lighted Pushbutton Switches

Typical applications: instrumentation, networking equipment, telecommunications, detection, test equipment

			Mounting	Туре	Key		Button	Actuator		Pricing	
Part No.	Product No.	Fig.	Hole Dia.	() Momentary	Contact Rating	Terminal Type	Color/Material	length	1	10	100
621894	35-3412♠	24	0.638"	SPDT NC/NO	4A @ 250VAC	Solder eyelet	Rectangle	0.196"	\$21.89	\$19.98	\$18.25
621931	35-3432♠	25	0.638"	SPDT NC/NO	4A @ 250VAC	Solder eyelet	Rectangle	0.196"	14.45	13.21	12.02
617078	35-480♠	26	1.1"x0.88"	SPST on-off	10A @ 125VAC	0.250" QC	Red square	0.36"	7.59	6.94	6.34
617094	35-484♠	26	1.1"x0.88"	SPST on-off	10A @ 125VAC	0.250" QC	Green square	0.36"	7.59	6.94	6.34
617107	35-490♠	27	0.563"	DPDT on-off	8A @ 125VAC	PCB solder	Round orange	0.75"	22.79	21.51	20.26
Part No.	Product No.	Fig.	Description	1					1	10	100
621940	35-3435♠	28	Green squ	en square lens and bulb						\$2.52	\$2.31









Pushbutton Switches

• Contact rating: 3A @ 125VAC • 2-pin • Lead type: solder terminal

164566/164639: Contact rating: .5A @ 125VAC **164582/164671**: Contact rating: 1A @ 125VAC

106112: Contact rating: 3A @ 110VAC

Miniature Soft Touch Switches

			Туре		Lead	Thread	Button	Pricing			
Part No.	Product No.	Fig.	() Momentary	Dimensions	Spacing	Diameter	Color	1	10	100	500
164494	DS450R⊕	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	\$2.09	\$2.05	\$1.97	\$1.88
164486	DS463R⊕	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	2.15	2.05	1.95	1.85
164523	DS466R⊕	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	1.95	1.87	1.81	1.74
164558	DS471R⊕	3	SPST off-(on)	1.2"L x .75"Sq.	.160"	.387"	Red	2.39	2.29	2.19	2.09

Standard Touch Switches

			Туре		Lead	Thread	Button	Pricing			
Part No.	Product No.	Fig.	() Momentary	Dimensions	Spacing	Diameter	Color	1	10	100	500
164566	MS402R⊕	4	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	\$1.15	\$1.14	\$1.10	\$1.06
164582	DS016B⊕	5	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	1.59	1.54	1.48	1.42
164639	MS3120R ₹	6	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.65	1.49	1.34	1.26
164671	NS801MOB⊕	7	SPST off-(on)	1.1"L x .59"Dia.	.213"	.468"	Black	2.45	2.05	1.94	1.77
106112	DS412R⊕*	8	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.05	1.03	.99	.98

Solder lugs





Fig. 3







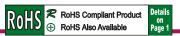












APEM

Pushbutton Switches

IP and AV Series Panel Mount Pushbutton Switches

171758



171766





• 6A @ 125VAC

• 6A @ 125VAC

• 6A @ 125VAC

• 3A @ 115VAC

171758 /171766: IP Series Initial contact resistance: 50mΩ max.

• Insulation resistance: $1G\Omega$ min. @ 500VDC Mounting hole: 1/2"Dia. Dielectric strength: 1500Vrms min. · Mechanical life: 1,000,000 cycles min. 171774: AV Series

• Initial contact resistance: $10m\Omega$ max. • Insulation resistance: $1000M\Omega$ min. Mounting hole: 3/4"Dia. · Dielectric strength: 1000Vrms min.

			Туре	[Dimension	1S	Lead	Contact	Terminal		Prici	ng	
Part No.	Product No.	Pins	() Momentary	L	W	D	Spacing	Rating	Type	1	10	100	250
171758	IPR3SAD2⊕	2	SPST off-(on)	0.82"	_	0.46"	0.19"	0.2A @ 250VAC	Solder	\$10.39	\$9.35	\$8.45	\$7.49
171766	IPC3SAD6⊕	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	10.39	9.35	8.45	7.49
171774	AV191003C900⊕	2	SPST off-(on)	1.20"	_	0.87"	0.37"	0.2A @ 48VDC	Screw	11.95	10.84	9.75	8.79

CHERRY !

Panel Mount/Line Interrupt **Pushbutton Switches**

· UL 94V-0 flammability rating

E65/E68/E69/E75/E77/E78/E79/ F68/F69/F78/F79 Series Snap-In Panel Mount

E65/E75: 16A, 125/250VAC: UL1054 rating: E68/E78/F68/F78: 0.1A, 125VAC; E69/E79/F69/F79: 10A, 125/250VAC;

E77: 0.1A, 125VAC

- · Long-life coil spring, snap-action mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6,000 cycles min.

F81/F82/F83 Series Line Interrupt

• UL1054 rating: F81: 10A, 125/250VAC;

F82: 16A, 125/250VAC; F83: 0.1A, 125/250VAC

 Double make/break shorting bars High overtravel

• Temp. rating: -25°C to +85°C • Snap-in panel mounting

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



F Series

See Our Complete Panel Mount & Line Interrupt Pushbutton Offering at www.Jameco.com/Prod/CherryPB

Order Anytime, Day or Night!

Our friendly Sales department will assist you 24x7x365 by phone, fax, web or email. 1-800-831-4242

Alcoswitch **Pushbutton Switches**

MPA Series • Wire Lug or PC tails/Panel mount

MPB Series · Subminiature/Panel mount • 3A @ 125VAC

MPE Series · Splashproof/Wire lug/Panel mount

MPG Series • Mustang/Wire lug or PC tails

MPS Series · Snap action/Wire lug

MSPM Series

· Long Life/Magnetic reed • 1.0VA optimum **MSPF Series**

Front and rear entry mounts • 0.5A @ 125VAC

MSP/MSPS Series • 2.5mm travel/Panel mount

• (MSP) 3A @ 125VAC • (MSPS) 3A @ 125VAC

Illuminated Command Series · Selector & keylock switches · Pilot Light indicators and lens sets

Pushbutton Accessories also available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Pushbutton Offering at www.Jameco.com/Prod/AlcoPB

Pushbutton Switches

30/32 Series SPST 1A @ 115VAC 39 Series • 1/4" butt contact • 0.5A @ 115VAC 4000 Series Wiping contact • 3A @ 115VAC

These products ship from a separate warehouse and may not ship the same day.

Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Grayhill Pushbutton Offering at www.Jameco.com/Prod/GrayhillPB



8020 Series Snap-Acting Momentary Pushbutton Switches

Typical applications: instrumentation, computer peripherals, telecommunications equipment

• Plunger height: 0.218"

Contact form: SPDT ON-MOM

· Electrical life: 60,000 make and break cycles @ full load

· Bushing: brass or zinc, nickel plated Cap and frame: nylon, black

Contact resistance: below 50mΩ typical initial @ 2-4VDC, 100mA

• Switch support: brass or steel, tin plated
• Case: glass filled nylon 6/6 or diallyl phthalate (UL94V-0)
• Common contact & all terminals: copper alloy with gold plate over nickel
• Housing: stain

• N.O. & N.C. contacts: 8121 series – coin silver with gold plate over nickel; 8125 series – copper alloy with gold plate over nicke

Includes: Nut, locking ring, & lockwasher





• Dielectric strength: 1,000V_{RMS}

· Terminal seal: epoxy

Insulation resistance: 1,000MΩ min.

· Housing: stainless steel



See page 181 for Hardware Accessories

Part No.	Product No.	Contact Rating	Contact Plating	Bushing	Terminal	Description	1	10	100	500
576350	8121J81Z3GE22♠	1A @ 120VAC/28VDC	Gold over silver	_	Quick connect	Snap-in w/ frame	\$7.89	\$7.22	\$6.87	\$6.52
575744	8121J83ZGE22	1A @ 120VAC/28VDC	Gold over silver	_	Solder lug	Snap-in w/ frame & flush cap	8.15	8.05	7.98	7.60
575752	8121J85ZGE223 ♠	1A @ 120VAC/28VDC	Gold over silver	_	Solder lug	Snap-in w/ frame & LED	9.95	9.08	7.78	7.05
575664	8121SD2GE ◆	1A @ 120VAC/28VDC	Gold over silver	0.280"H, keyway	Solder lug	Standard plunger	7.35	6.51	5.50	4.18
576000	8121SHZGE♠	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger	7.35	6.96	5.48	4.79
576376	8125J81ZBE22♠	0.4VA @ 20VAC/VDC	Gold	_	Solder lug	Snap-in	5.79	5.51	4.34	3.80
575613	8125J82ZBE22♠	0.4VA @ 20VAC/VDC	Gold	_	Solder lug	Snap-in w/ frame for LED	5.89	5.61	4.42	3.86
575939	8125SD9ABE ◆	0.4VA @ 20VAC/VDC	Gold	0.280"H, keyway	Right angle PCB	Standard plunger	5.49	5.21	4.11	3.59
576018	8125SHCBE♠	0.4VA @ 20VAC/VDC	Gold	0.250"H, flat	PC terminal	Standard plunger	5.15	4.87	3.83	3.35
575998	8125SHZBE♠	0.4VA @ 20VAC/VDC	Gold	0.250"H, flat	Solder lug	Standard plunger	5.05	4.77	3.76	3.29

UL/CSA V	ersions									
596799	U811SH2GE	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger, SPDT ON-MOM	\$9.25	\$8.77	\$6.78	\$5.48
596801	U821SH2ZGE♠	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger, DPDT ON-MOM	11.25	10.31	8.24	6.44

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

8060 Series Alternate Action and **Momentary Pushbutton Switches**

- Long travel
- · Long life contact design
- Typical applications: instrumentation, computers & peripherals, telecommunications & networking equipment
- Length: 1.185"
- Terminals: solder lug
- Contact rating: 6A @ 120VAC/28VDC; 3A @ 250VAC
- · Electrical life: 50,000 make & break cycles @ full load Contact resistance: below 20mΩ typical
- initial @ 2.4VDC, 100mA Insulation resistance: 1,000M Ω min.
- Dielectric strength: 1,000V_{RMS}
- · Case: glass filled nylon 6/6 or diallyl phthalate (UL94V-0)
- Plunger: glass filled nylon or glass filled polyester 0.710"H w/ 0.375"Dia. cap
- Bushing: brass or zinc, nickel plated 0.3"H flat, high torque
- · Cap and frame: nylon, black
- · Housing: stainless steel
- Switch support: brass or steel, tin plated
 Terminal seal: epoxy

Includes: Nut, locking ring, and lockwasher

Part No.	Product No.	Contact Plating	1	10	100
575824	8161SHZGE2 ◆	Gold over silver	\$5.55	\$5.08	\$4.34
575795	8161SHZQE2 ♠	Silver	5.29	4.89	4.14



8700 Series Overtravel Pushbutton Switch

- Typical applications: telecommunications, high-end instrumentation, medical & test equipment, detection Contact form: SPST OFF-MOM
- · Length: 1.65"
- · Plunger height: 0.390"
- Continuous plunger seal
- · Heavy duty brass plunger
- Electrical life: 100,000 actuations @ full load
- Contact resistance: below 30mΩ typical initial @ 2-4VDC, 100mA
- Insulation resistance: 10,000Ω min.
- Dielectric strenath: 1.000VRMs
- · Case: diallyl phthalate (UL94V-0) · Plunger: PBT polyester, black
- · Bushing: brass, nickel plated Terminal seal: epoxy

Includes: Nut and lockwasher

Part No.	Product No.	Contact Rating	Terminals	1	10	100
576940	8732S1HZQE♠	0.4VA@20VAC/VDC	Solder lug (gold)	\$5.15	\$4.92	\$4.61

8500 Series Subminiature Pushbutton Switches

- Typical applications: detection, telecommunications networking equipment, computers & peripherals
- Contact form: SPST OFF-MOM Length: 1.047
- Contact rating: 1A @ 120VAC or 28VDC
- Electrical life: 250,000 actuations @ full load
- Contact resistance: below $3m\Omega$ typical initial @ 2-4VDC, 100mA • Insulation resistance: 1,000M Ω min.
- Case: glass filled phenolic or diallyl phthalate (UL94V-0)
- Cap & frame: nylon, black
 Bushing: brass, nickel plated
 Contacts: coin silver, silver plated
 Terminals: copper alloy, silver plated
 Terminal seal: epoxy

Includes: Nut and lockwasher

Part No.	Product No.	Plunger	Terminals	1	10	100
576296	8531MCQE2 ◆	0.150"H	PC Terminal	\$4.25	\$3.89	\$3.33
576325	8531MZQE2 ◆	0.150"H	Solder Lug	4.19	3.80	3.26
576093	8531TZQE2 ♠	15/32" actuator bushing	Solder Lug	4.75	4.31	3.69



E010 Series Sealed Momentary Pushbutton

- · Process sealed, withstands soldering & cleaning
- Long life contact design
- Typical applications: instrumentation, telecommunications & networking equipment, computers & peripherals
- · Contact form: SPDT ON-MOM Length: 1.322"
- Contact rating: 4A @ 125VAC/28VDC
- Electrical life: 40,000 make & break cycles @ full load
- Contact resistance: below 20mΩ typical initial @ 2-4VDC, 100mA Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000V_{RMS}
- · Case & bushing: glass filled nylon 6/6 (UL94V-0)
- Plunger: glass filled nylon or glass filled polyester (UL94V-0) with internal o-ring seal, 0.222"H
 Switch support: brass or steel, tin plated
- Switch support retainer: stainless steel
- Center contacts & all terminals: coin silver, silver plated or copper alloy with · Terminal seal: epoxy gold over nickel

Includes: Nut, locking ring and lockwasher

Terminal seal: epoxy

Part No.	Product No.	Plunger	Terminals	1	10	100
581933	E112SD1V3BE♠	0.460"H V-bracket	Gold	\$6.49	\$6.10	\$4.74



EP Series Sealed Tiny Pushbutton Switches

Contact resistance: below 20mΩ typical initial @ 2-4VDC, 100mA

Contact rating: 0.4VA @ 20VAC/VDC

• Dielectric strength: 1,000V_{RMS}

- Typical applications: telecommunications & networking equipment, computers & peripherals, instrumentation & control Snap-fitting actuator accepts standard caps
- Sealed against solder & cleaning processes
- Length: 0.872" Contact form: SPDT ON-MOM
- · Electrical life: 30,000 make & break cycles @ full load
- Insulation resistance: 1,000M Ω min.
- · Switch support: brass, tin plated
- Contacts & terminals: copper alloy
- Case & bushing (unthreaded): glass filled nylon 6/6 (UL904V-0); surface mount high temp. glass filled nylon 4/6 (UL94V-0)

Plunger: thermoplastic polyester or glass filled nylon (UL04V-0); surface mount – high temp. glass filled nylon 4/6 (UL94V-0) 0.215"H





Part No Product No. Plunger/Bushing Contacts 10 100 500 EP12FPD1ABE♠ 584093 Flush plunger, unthreaded bushing PC terminals, gold \$5.12 Right angle \$5.55 \$4.06 \$3.20 584157 EP12SD1V3BE♠ Vertical mount, V-bracket 5.12 3.20 0.215"H plunger, unthreaded bushing Gold 6.45 4.06 EP12SD1ABE♠ 584106 0.215"H plunger, unthreaded bushing PC terminals, gold Right angle 5.69 5.38 4.06 3.58 EP12SD1CBE♠ 584122 0.215"H plunger, unthreaded bushing PC terminals, gold Standard 5.35 5.06 3.37



TP Series Tiny Pushbutton Switches

- Typical applications: telecommunications & networking equipment, computers & peripherals, instrumentation & control
- Electrical life: TP12 30,000; TP21 60,000 make & break cycles @ full load
- Contact resistance: below 20mΩ typical initial @ 2-4VDC, 100mA
 Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000V_{RMS}
- Plunger: thermoplastic polyester (UL94V-0), 0.155"H
- · Housing: stainless steel

Includes: Nut, locking ring, & lockwasher

- - · Case: glass filled nylon 6/6 or diallyl phthalate (UL94V-0)
 - · Bushing: brass, nickel plated; 0.220"H flat
 - Switch support: brass, tin plated
 Terminal seal: epoxy





596588

Part No.	Product No.	Contact Rating	Contact Form	End Contacts	Center Contact & Terminals	Description	1	10	100	500
596588	TP12SH9ABE♠	0.4VA @ 20VAC/VDC	SPDT ON-MOM	Copper alloy w/ gold over nickel	Copper w/ gold over nickel	Right angle, PC terminal	\$6.69	\$6.39	\$6.11	\$3.29
596596	TP23SH9AVBE♠	0.4VA @ 20VAC/VDC	SPDT ON-MOM	Copper alloy w/ gold over nickel	Copper w/ gold over nickel	Vert. right angle, PC terminal	6.69	6.39	6.11	3.29
596617	TP12SH9V3BE♠	0.4VA @ 20VAC/VDC	SPDT ON-MOM	Copper alloy w/ gold over nickel	Copper w/ gold over nickel	Vert. mount, V-bracket	6.65	6.36	6.08	3.10
596625	TP12SHZQE♠	1A @ 120VAC/28VDC	SPDT ON-MOM	Coin silver, silver plated	Copper alloy silver plated	Solder lug	6.25	5.95	5.69	3.80
596633	TP21SHZQE♠	1A @ 120VAC/28VDC	DPST OFF-MOM	Coin silver, silver plated	Copper alloy silver plated	Solder lug	9.55	9.12	8.72	5.29

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GP Series Sealed Ultra-miniature Pushbuttons

- · Typical applications: telecommunications & networking equipment, computers & peripherals products, instrumentation
- · Ultra-miniature design saves space
- Process compatible, withstands most soldering and washing design
- Sealed construction internal o-ring & epoxy base
- Contact resistance: below 50mΩ typical initial @ 2-4VDC, 100mA · Contact rating: 0.4VA @ 20VAC/VDC
- Mechanical & electrical life: 40,000 make & break cycles @ full load
- Insulation resistance: 1,000M Ω min. Dielectric strength: 500V_{RMS}
- Housing and base: glass filled nylon 4/6 (UL94V-0)
- · Actuator: glass filled nylon 4/6 (UL94V-0) with internal o-ring seal
- · Switch support: brass, tin plated Movable contact: copper alloy with gold over nickel
- · Stationary contacts: (thru-hole models) copper alloy with gold over nickel
- Terminals: copper alloy with tin-lead over nickel Terminal seal: epoxy/urethane

Part No.	Product No.	Contact Form	Terminals	1	10	100
584691	GP11MCKE ◆	SPST OFF-MOM	PC terminals	\$4.75	\$4.34	\$3.72
584721	GP12MCKE ♠	SPDT ON-MOM	PC terminals	5.19	4.75	4.06



584691

typical initial @ 2-4VDC, 100mA Insulation resistance: 1,000M Ω min. • Dielectric strength: 1,000V_{RMS}

Reliable contact design

Contact form: SPST OFF-MOM

Contact resistance: below $30m\Omega$

- Housing and bushing: nylon 6/6, black (UL94V-2) Actuator: nylon 6/6 (UL94V-2) natural, internal o-ring seal
- Movable contact: silver
- Stationary contacts & terminals: copper, silver plated
- Return spring: music wire, phosphor coated

· Bushing/mounting style: 1/4-40 thread, 0.225"H

Electrical life: 10,000 actuations min. @ full load

Contact rating: 250mA @ 125VAC/VDC

Mounting nut: brass, nickel plated • Terminal seal: epoxy

Part No.	Product No.	Terminals	1	10	100
583171	KM1101RR05Q ◆	0.110" QC	\$2.35	\$2.11	\$1.81

KM Series Subminiature Pushbutton

Lenath: 1.27

Actuator diameter: 0.122"

· Typical applications: alarm systems, computers, detector switch applications



Pushbutton Switches

- 8600 Series Microminiature NE-18 Series Mains/Power
- · PHA Series Short Stroke
- E020 Series Sealed Snap-Acting Momentary
- · Lumotast® 75 Series Illuminated Momentary & Latching



F020 Series

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> See Our Complete C&K Pushbutton Switch Offering at www.Jameco.com/Prod/CKPushbutton

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

PN Series Alternate & Momentary Action Pushbutton Switch

- Typical applications: computers & peripherals, instrumentation & measurement equipment, non-power on-off switch applications
- Contact rating: 200mA @ 30VDC
- Electrical life: 10,000 make & break cycles @ full load
- Mechanical life: 10,000 on/off cycles
- Contact resistance: $50m\Omega$ max. initial, $100m\Omega$ max. @ end of full life
- Insulation resistance: $100M\Omega$ min. @ 500VDC
- Dielectric strength: 500VAC min.
- Movable contacts: silver plated phosphor bronze · Actuator: polyacetal

Hardware Accessories for C&K Pushbutton Switches

- Frame: tin plated steel
- · Terminals: silver plated brass
- Base: laminated phenolic Return spring: music wire • Detent spring & spring plate: phosphor bronze
- Return spring & retainer ring: nickel plated steel Terminal seal: epoxy

Part No.	Product No.	Contact Form	500	2500	10000
588449	PN11SHNA03QE♠	SPDT MOM non-shorting	\$.75	\$.72	\$.69

Alcoswitch Oil-Tight Pushbutton Switches

Reliant 22 series

- 6A @ 600VAC
- · Metal and plastic bushings

RM/RT Series

· 22mm/momentary

SR Series

· Pilot light/full voltage

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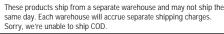
See Our Alcoswitch Oil-Tight Switches Offering at www.Jameco.com/Prod/AlcoOilTight

Alcoswitch

Tiny Pushbutton Switches

TP Series

- Gold: 0.4VA Max. @ 20VDC; Silver: 1A @ 125VAC
- · Straight or right angle
- Single or dual actuators
- Threaded or unthreaded



See Our Alcoswitch Tiny PB Offering at www.Jameco.com/Prod/AlcoTinyPB



· Color: black

Snap-In Frames







For 7000/8020/8500/E/E010/E020/TP Series J50/J60/J80/J90 Actuators (Fig. 1)

Part No.	Product No. Pa	nel Thickness 1	10	100
578056	432602263♠	0.062" \$.66	\$.64	\$.63
578064	432702263♠	0.090"66	.64	.63

For 7000/E Series, J1/J2Actuators (Fig. 2)

Part No.	Product No. Pa	nel Thickness 1	10	100
578099	452802263♠	0.090" \$.39	\$.368	\$.341
578072	452602263♠	0.125" .39	.368	.341

Toggle Caps

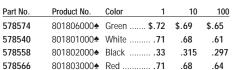
For 7000/9000/E Series

 Height: 0.383" Part No.



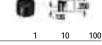


.310"Dia. Pushbutton Caps for 8020/8060/E010/E020/ KM11/L Series



Caps for .122"Dia. Switch Plunger

.375"Dia. Pushbutton Caps for 8020/8060/E010/E020/ KM11/L Series



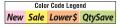
Part No.	Product No.	Color 1	10	100
578435	752701000♠	White \$.39	\$.368	\$.341
578443	752702000♠	Black	.315	.306
578451	752703000♠	Red	.504	.475

.395"Dia. Pushbutton Cap for 8020/8050/E010/ E020/L Series



3/8020	890801000	1 C.¢ 9.111VV	\$.480	3.42	raitivo.	FIOUUCI NO.	COIOI	<u> </u>	10	100
578646	896803000♠	Red51	.501	.488	578591	894102000♠	Black	\$.71	\$.68	\$.61
◆ This produ	ct ships from a se	parate warehouse and	may not s	ship the sar	me day. Each v	varehouse will accr	ue separa	ate shipping ch	harges.	





JAMECO ValuePro

Slide Switches









• Two mounting flanges • Top actuation • Nylon actuator • Phenolic insulated

				Housing	D	Dimensions			pacing		Lead	Actuator		Prici	ng	
Part No.	Pins	Туре	Description	Material #	L"	W"	D"	A"	B"	Contact Rating	Length	Height	1	10	100	250
109171	3	SPDT on-on	PC mount ₹	Plastic	.22	.45	.23	_	.12	0.5A @ 50VDC	.17"	.15"	\$.31	\$.26	\$.23	\$.19
161816	6	DPDT on-on [†]	PC mount⊕	Plastic	.38	.14	.13	.13	.11	0.1A @ 20VDC	.11"	.08"	.62	.52	.41	.307

† Plastic — flanges

Plastic: 6/6 nylon: metal: steel zinc plated

Contact Form

SPDT on-on

DPDT on-on

SPDT on-on

DPDT on-on

DPDT on-on



Part No.

621325

621333

621341

621472

621481

• Panel mount • Black plastic actuator

Fig.

2

3

4

Product No.

35-202

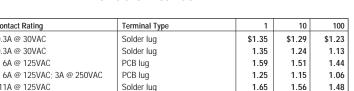
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Slide Switches









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ES Series



GS Series



L Series



Contact Rating

0.3A @ 30VAC

0.3A@30VAC

6A @ 125VAC

11A @ 125VAC





V Series

1000 Series Miniature

- Epoxy terminal seal compatible with bottom-wash cleaning • Operating temp.: -30°C to +65°C
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 6A @ 120VAC/28VDC; 3A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level

ES Series Sealed Tiny

- Reliable contact design ensures long electrical life
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Insulation resistance: 1000MΩ min.

GS Series Sealed Ultraminiature

- Ultraminiature design saves PCB space
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Dielectric strength: 500V_{RMS} @ sea level

• Operating temp.: -30°C to +85°C • Dielectric strength: 500V_{RMS} min.

• Insulation resistance: $1000M\Omega$ min.

- Operating temp.: -30°C to +85°C
- Insulation resistance: $1000M\Omega$ min.

L Series Miniature

- Contact rating: 4A @ 125VAC/28VDC: 2A @250VAC: 0.5A @ 125VDC · Enclosed housing
- Dielectric strength: $1000V_{RMS}$ @ sea level Positive detent Insulation resistance: $1000M\Omega$ min.

S Series Standard

- Contact rating: 6A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 15A @ 125VAC; 6A @ 250VAC · Enclosed housing
- Dielectric strength: 1000V_{RMS} @ sea level

TS Series Tiny

- Reliable contact design ensures long electrical life
 - Operating temp.: -30°C to +85°C
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 3A @ 120VAC/28VDC or 1A @ 120VAC/28VDC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: $1000M\Omega$ min.

• Insulation resistance: $1000M\Omega$ min.

V Series Power & Line Voltage Select

- · Actuators with screwdriver slot
- Operating temp.: -30°C to +85°C Contact rating: 10.1A max. @ 125VAC; 4A @ 28VDC; 5A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level

• Insulation resistance: $1000M\Omega$ min.

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PCB Plunger Switch

Use in Place of Shorting Block

- SPST (on/off)
- Contact rating: 50mA @ 24VDC
- Non-removable plunger
- Size: 0.2"W x 0.1"D x 0.38"H
- · Lead length: 0.1"L
- · 10 piece minimum



100 Part No. Description 10 1000 \$.085 (\$.064) 172700 Plunger switch \$.10

Inline Cord Switch

- · Contact form: SPST on-off · Contact rating: 6A @ 20VDC
- · Terminal: solder
- · Black plastic body

Part No. 35-1851 \$4.75 \$4.56 \$4.38

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

Slide Switches Alcoswitch

MM Series

- Initial contact resistance: $20m\Omega$ max.
- Contacts rated: 100mA @ 30VDC/peak AC
- Double-wipe contacts for low resistance



MHS Series

- Subminiature slides feature moving contact for positive wiping action
- Contact rating: Silver: 300mA @ 125VAC; Gold: 0.4VA @ 20VDC

MSS Series

- Compact PC board slide switches upright and right angle
- Silver contacts rated 300mA @ 125VAC

SS Series

- Contact rating: Gold: 0.4VA max. @ 20VDC; Silver: 100mA @ 30VDC
- Initial contact resistance: $30m\Omega$ max
- Insulation resistance: $100M\Omega$ min.

SE Series

- Contact rating: 0.4VA @ 20VDC
- Initial contact resistance: 50mΩ max.
- · Dielectric strength: 500VAC for 1 min.

SLS Series

- Initial contact resistance: $30m\Omega$ max.
- Insulation resistance: $500M\Omega$ min.
- Dielectric strength: 500VAC
- Contact rating: 250mA @ 125VAC. 150mA @ 12VDC

TSS Series

- Pin spacing: 0.100" (2.54mm) on centers
- Non-shorting, gold-plated contacts: 0.4VA max. @ 20VDC/peak AC

STS Series

- Initial contact resistance: $20m\Omega$ max.
- Wave solderable and washable
- · PC mount units, bifurcated contacts rated 300mA @ 125VAC/30VDC

AS Series

- · High temperature antistatic plastic
- Withstand aqueous or solvent cleaning processes
- Auto insertable slides
- Type ASE: extended actuator and Type ASF: DÍP package available

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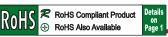




Fig. 1

EXCLUSIVE

Rocker Switches

Quantity SAVE













Fig. 7

	Cross			Туре	Contact Rating	Mounting	Mounting	Terminal	Rocker	Rocker	Lead	Space	Dimensions		Pricing	
Part No.	Ref. No.	Fig.	Pins	() Momentary	(A @ VAC)	Hole	Туре	Туре	Color	Туре	A"	B"	(L"xW"xD")	1	10	100
316451	R13-243A-02⊕	1	2	SPST on-off	8 @ 125	.78"L x .28"W	Panel mnt	.187" quick conn.	Black	Rectangle	0.35	_	.83 x .37 x .85	\$1.17	\$.99	\$.74
316478	R13-243F-02⊕	1	2	SPST (on)-off	8 @ 125	.78"L x .28"W	Panel mnt	.187" quick conn.	Black	Rectangle	0.35	-	.83 x .37 x .85	^{2.05} 1.29	1.05	.79
196154	R30NSA⊕	2	2	SPST on-off	15 @ 125	1.07"L x .43"W	Panel mnt	.250" quick conn.	Solid black	Rectangle	0.45		1.07 x .42 x .77	1.75	1.48	1.11
316013	R13-66A-B-02⊕	3	2	SPST on-off	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Black top	Rectangle	0.31	_	.83 x .59 x .47	.99	.86	.56
316021	R13-66A-R-02⊕	4	2	SPST on-off O	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Red top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316128	R13-73B-R-02⊕	5	3	SPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Red illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.25	1.06	.79
316048	R13-66B-G-02⊕	6	3	SPST on-off	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Green illum.	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.67
316072	R13-66D-02 🕀	6	3	SPDT on-off-on	16 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Black (I-O-I)	Rectangle	0.31	0.31	.83 x .59 x .47	.99	.84	.63
316110	R13-73A2-B-02⊕	7	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Solid black (I-O)	Rectangle	0.20	0.34	.83 x .59 x .87	1.69	1.58	1.42
316153	R13-73C-R-02	7	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Red illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316161	R13-73C-Y-02⊕	7	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Yellow illum.	Rectangle	0.20	0.34	.83 x .59 x .87	1.32	1.12	.84
316179	R13-73C-G-02⊕	7	4	DPST on-off	10 @ 125	.78"L x .52"W	Panel mnt	.187" quick conn.	Green illum.	Rectangle	0.20	0.34	.83 x .59 x .87	1.32	1.12	.84

◆ Blue Part No. = Limited Quantity Available



Rocker Switches

Standard Appliance Rocker Switches



















			Туре	Contact Rating	Mounting	Mounting	Terminal	Rocker	Rocker		Pricing	
Part No.	Product No.	Fig.	() Momentary	(A @ VAC)	Hole	Туре	Туре	Color	Туре	1	10	100
621561	35-3030♠	1	SPST on-off	16 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	Black w/ red on/off	Rectangle	\$2.19	\$1.92	\$1.68
622184	35-3600♠	2	SPST on-off	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	3.89	3.40	2.98
622192	35-3610♠	2	SPDT on-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	4.75	4.15	3.64
622205	35-3620♠	2	SPDT on-off-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	4.75	4.15	3.64
622213	35-3630♠	2	DPST on-off	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	5.49	4.79	4.18
622221	35-3640♠	2	DPDT on-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	5.95	5.19	4.53
622248	35-3660♠	2	DPST (on)-off	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	6.35	5.55	4.85
622256	35-3670♠	2	DPST (off)-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	6.35	5.55	4.85
622264	35-3680♠	2	DPDT (on)-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	7.55	6.61	5.79
622272	35-3690♠	2	DPDT (on)-off-on	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	7.55	6.61	5.79
622281	35-3695	2	DPDT (on)-off-(on)	15 @ 125	0.83" x 1.45"	Panel mount	0.250" quick connect	Black	Rectangle	7.59	7.02	6.52
622299	35-3710♠	2	SPDT on-on	16 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	Black	Rectangle	2.49	2.13	1.84
622301	35-3720♠	2	SPDT on-on	16 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	Black	Rectangle	2.49	2.13	1.84
622361	35-3760♠	3	SPST (on)-off	15 @ 125	0.55" x 1.25"	Panel mount	0.250" quick connect	White	Rectangle	2.35	2.04	1.78
617211	35-620♠	4	DPST on-off	15 @ 125	0.866" x 1.102"	Panel mount	0.250" quick connect	Red w/ on/off	Rectangle	3.75	3.25	2.84
617238	35-640♠	5	SPDT on-on	16 @ 125	1.1" x 0.453"	Panel mount	0.250" quick connect	Black	Rectangle	2.55	2.22	1.96
617300	35-654♠	6	DPST on-off	20 @ 125	1.0" x 1.125"	Panel mount	0.250" quick connect	Black	Rectangle	3.55	2.99	2.53
617473	35-695	2	SPDT (on)-off-(on)	16 @ 125	0.55" x 1.12"	Panel mount	0.250" quick connect	Black	Rectangle	4.25	3.52	3.30
617449	35-691♠	7	SPST on-off	16 @ 125	0.55" x 1.125"	Panel mount	0.250" quick connect	Black	Rectangle	2.15	1.80	1.52
617457	35-693♠	7	SPST on-off	16 @ 125	0.55" x 1.125"	Panel mount	0.250" quick connect	Black w/ red on/off	Rectangle	2.15	1.90	1.71
617465	35-694♠	7	SPDT on-off-on	16 @ 125	0.55" x 1.125"	Panel mount	0.250" quick connect	Black	Rectangle	2.35	2.07	1.84

Lighted Mini Rocker Switches

			Туре	Contact Rating	Mounting	Mounting	Terminal	Rocker	Rocker		Pricing	
Part No.	Product No.	Fig.	() Momentary	(A @ VAC)	Hole	Туре	Туре	Color	Туре	1	10	100
617271	35-645♠	8	SPST on-off	10 @ 125	0.755" x 0.508"	Panel mount	Solder eyelet	Lighted red LED	Rectangle	\$5.15	\$4.67	\$4.29
617289	35-646	8	DPST on-off	10 @ 125	0.755" x 0.508"	Panel mount	Solder eyelet	Lighted red LED	Rectangle	6.05	5.28	4.76
617377	35-680♠	9	SPST on-off	5 @ 125	0.512" x 0.750"	Panel mount	0.187" quick connect	Lighted orange LED	Rectangle	5.89	4.46	3.24
617385	35-681♠	9	SPST on-off	5 @ 125	0.512" x 0.750"	Panel mount	0.187" quick connect	Lighted green LED	Rectangle	5.89	4.46	3.24
617393	35-682♠	8	SPST on-off	5 @ 125	0.512" x 0.750"	Panel mount	0.187" quick connect	Lighted red LED	Rectangle	6.49	5.07	3.77

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

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Rocker Switches (Continued)

Automotive/Marine Rocker Switches



















			Туре		Mounting	Mounting	Terminal	Rocker	Rocker		Pricing	
Part No.	Product No.	Fig.	() Momentary	Contact Rating	Hole	Туре	Туре	Color	Туре	1	10	100
622029	35-3500♠	10	SPST on-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	\$6.85	\$5.95	\$5.20
622037	35-3505♠	10	SPST on-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent green	Rectangle	6.85	5.95	5.20
622045	35-3510♠	10	SPST on-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	6.85	5.95	5.20
622053	35-3515♠	10	SPST on-off	20A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent blue	Rectangle	6.85	5.95	5.20
622061	35-3520♠	10	DPDT on-off-on	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	8.85	7.70	6.73
622070	35-3530♠	10	DPDT on-off-on	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	8.85	7.70	6.73
622088	35-3535♠	10	DPDT on-off-on	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent blue	Rectangle	8.85	7.70	6.73
622096	35-3540♠	10	SPST (on)-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	7.05	6.15	5.39
622109	35-3550♠	10	SPST (on)-off	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	7.05	6.15	5.39
622117	35-3560♠	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent amber	Rectangle	9.65	8.40	7.35
622125	35-3565♠	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent green	Rectangle	9.65	8.40	7.35
622133	35-3570♠	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent red	Rectangle	9.65	8.40	7.35
622141	35-3575♠	10	DPDT (on)-off-(on)	200A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	12V Incandescent blue	Rectangle	9.65	8.40	7.35
622150	35-3580♠	11	SPST on-off	15A @ 125VAC	0.83" x 1.45"	Panel mount	0.250" quick conn.	None	Rectangle (blk)	5.85	5.10	4.47
622168	35-3585♠	11	DPDT on-on	20A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	None	Rectangle (blk)	8.09	7.02	6.12
622176	35-3590♠	11	DPDT on-off-on	20A @ 12VDC	0.83" x 1.45"	Panel mount	0.250" quick conn.	None	Rectangle (blk)	8.35	7.24	6.37

Miniature Rocker Switches

			Туре		Mounting	Mounting	Terminal	Rocker	Rocker		Pricing	
Part No.	Product No.	Fig.	() Momentary	Contact Rating	Hole	Туре	Туре	Color	Туре	1	10	100
617123	35-602♠	12	SPDT on-on	4A @ 125VAC	0.35" x 0.734"	Panel mount	Solder lug	Black	Rectangle	\$4.15	\$3.38	\$2.71
617131	35-603♠	12	SPDT on-on	4A @ 125VAC	0.35" x 0.734"	Panel mount	Solder lug	Black	Rectangle	5.15	4.15	3.33
617140	35-604♠	12	SPDT on-on	4A @ 125VAC	0.35" x 0.734"	Panel mount	Solder lug	Black	Rectangle	4.49	3.65	2.97
617158	35-605♠	13	SPST on-off	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red "O"	Rectangle	1.75	1.41	1.14
617166	35-606	13	DPDT on-on	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	2.19	1.78	1.44
617174	35-607♠	13	SPST on-off	11A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	1.79	1.44	1.17
617182	35-608♠	13	DPST on-off	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	2.25	1.80	1.44
617191	35-609♠	13	SPDT on-on	8A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black w/ red indicating	Rectangle	1.65	1.32	1.07
617203	35-615♠	14	SPDT on-on	4A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	Black	Rectangle	4.59	3.69	2.90
617246	35-642♠	15	SPST on-off	10A @ 125VAC	0.508" x 0.755"	Panel mount	0.250" quick conn.	Black w/ white "O"	Rectangle	3.45	2.89	2.44
617254	35-643♠	16	DPST on-off	16A @ 125VAC	0.483" x 1.021"	Panel mount	0.250" quick conn.	Black w/ white "O"	Rectangle	5.15	4.41	3.79
617297	35-648♠	17	DPDT on-on	10A @ 125VAC	0.887" x 0.756"	Panel mount	0.187" quick conn.	Black	Rectangle	4.55	4.19	3.88
617369	35-676	18	DPDT on-off-on	8A @ 125VAC	0.625" x 0.523"	Panel mount	Solder lug	Red	Rectangle	5.29	4.57	3.96

Lighted Appliance Rocker Switches



Fig. 19



Fig. 20





Fig. 22



Fig. 23



Fig. 24



Fig. 25



Fig. 26

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Fig. 27



			Туре		Mounting	Mounting	Terminal	Rocker	Rocker		Pricing	
Part No.	Product No.	Fig.	() Momentary	Contact Rating	Hole	Туре	Туре	Color	Туре	1	10	100
622310	35-3730♠	19	SPST	16A @ 125VAC	0.55" x 1.125"	Panel mount	0.250" quick conn.	125V neon amber	Rectangle	\$3.05	\$2.66	\$2.33
622408	35-3790♠	20	SPST	15A @ 125VAC	0.55" x 1.125"	Panel mount	0.250" quick conn.	125V neon amber	Rectangle	3.39	2.98	2.60
617220	35-621♠	21	SPST	16A @ 125VAC	0.87" x 1.07"	Panel mount	0.250" quick conn.	125V neon w/ red lens	Rectangle	5.89	5.12	4.47
617318	35-655♠	22	DPST	20A @ 125VAC	1.00" x 1.125"	Panel mount	0.250" quick conn.	125V neon red	Square	5.65	4.57	3.64
617326	35-656♠	23	SPST	15A @ 125VAC	1.45" x 0.83"	Panel mount	0.250" quick conn.	125V neon amber	Rectangle	5.29	4.57	3.96
617406	35-684♠	24	DPST	10A @ 125VAC	0.453" x 1.189"	Panel mount	Solder	125V neon red	Rectangle	8.29	6.50	5.02
617414	35-686♠	25	DPST	20A @ 125VAC	1.18" x 0.87"	Panel mount	0.250" quick conn.	125V neon w/red indicator	Square	5.95	4.99	4.26
617431	35-689♠	20	SPST	15A @ 125VAC	0.55" x 1.125"	Panel mount	0.250" quick conn.	125V neon red	Rectangle	3.79	3.30	2.89
617481	35-696	26	SPST	12A @ 125VAC	0.508" x 0.756"	Panel mount	0.187" quick conn.	125V neon red	Rectangle	2.99	2.72	2.58
617334	35-660♠	27	SPST	10A @ 30VDC	0.55" x 1.125"	Panel mount	0.250" quick conn.	12V incandescent red	Rectangle	4.45	3.69	3.04
617351	35-664♠	28	SPST	15A @ 125VAC	0.453" x 1.10"	Panel mount	0.250" quick conn.	12V incandescent green	Rectangle	4.75	4.18	3.61
617422	35-688♠	28	SPST	15A @ 125VAC	0.453" x 1.10"	Panel mount	0.250" quick conn.	105/120V neon red	Rectangle	3.99	3.23	2.57

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7000 Series

C Series C Series Power

CA Series

CR Series

DA Series

Rocker Switches

· Sub-panel and panel mounting

- Contact rating: 15A @ 125VAC; 10A @ 250VDC • Insulation resistance: $1000M\Omega$ min. Positive detent
- Dielectric strength: 2500V_{RMS} @ sea level Snap-in mounting

CA Series Power

- Contact rating: 15A @ 125VAC; 10A @ 250VDC
- Insulation resistance: 1000MΩ min.
 Positive detent
- Dielectric strength: 1000V_{RMS} @ sea level Cosmetic slimline detail

CR Series Round Single Pole Specialty

- Contact rating: 10A @ 125VAC; 6A @250VDC Nice styling
- Dielectric strength: $1500V_{RMS}$ @ sea level Insulation resistance: $100M\Omega$ min.

D Series Miniature Snap-in Power

- Contact rating: 4A @ 125VAC; 2A @ 250VAC or 10A @ 125VAC; 5A @ 250VDC
- Insulation resistance: $1000M\Omega$ min. PC and quick connect terminals
- Dielectric strength: 1000V_{RMS} @ sea level Low cost

DA Series Miniature Single Pole

- Contact rating: 16A @ 125VAC, 1/3HP; 10A @ 250VAC 1/2HP
- Insulation resistance: $100M\Omega$ min. Guards to prevent accidental actuation
- Dielectric strength: 1500V_{RMS} @ sea level

DF Series Power

- · Power switching up to 16 A
- Contact rating: 16Å @ 125/250VAC
- Multi-position/multi-pole function Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: $1000M\Omega$ min.

DM Series Miniature Power

- Contact rating: 3A @ 125VAC; 2A @ 250VAC or 10A @ 125VAC; 5A @ 250VAC
- Insulation resistance: $1000M\Omega$ min. · Illuminated or non-illuminated
- Dielectric strength: 1000V_{RMS} @ sea level Quick connect terminals

E Series Sealed Miniature, ET Series Sealed Subminiature and 7000 Series Miniature

- · Sealed terminals prevent contamination during soldering
- · Contact rating:
- E Series: 0.4VA max. @ 20VAC/DC, 7.5A @ 125VAC/28VDC, 3A @ 250VAC, 5A @ 125VAC/28VDC, 2A @ 250VAC;

ET Series: 0.4VA max. @ 20VAC/DC

- 7000 Series: 0.4VA max. @ 20VAC/DC or 5A @ 120VAC/28VDC; 2A @ 250VDC
- Insulation resistance: $1000M\Omega$ min. • Operating temp.: -30°C to 85°C
- Dielectric strength: 1000V_{RMS} @ sea level

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Rocker Switches







FR Series







RR Series WR Series

CR Series Power Rugged

- UL1054 rating: 20A, 125VAC; 16A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations

FR Series Double Pole 12A Switching

- · UL1054 rating: 12A, 125VAC/250VAC
- Temp. range: -20°C to +125°C (UL); -20°C to +55°C (VDE)
- · Mechanical life: min. 50,000 operations

GR Series Compact 15A Switching

- UL1054 rating: 15A, 125VAC; 10A, 250VAC
- Temp. range: -20°C to +85°C
 Mechanical life: min. 50,000 operations

LR Series Miniature High Current

- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations

RR Series Round High Current

- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20°C to +85°C
- Mechanical life: min. 100,000 operations

PR Series Panel Mount Power

- UL1054 rating: 6A, 125VAC; 3A, 250VAC
- Smallest agency-approved, low profile
 Temp. range: 0°C to 100°C (VDE);
- -20°C to +65°C (UL)
- Mechanical life: min. 50,000 operations

SR Series Miniature

- · UL1054 rating: 10A, 125VAC; 6A, 250VAC
- Temp. range: -20°C to +85°C
- · Mechanical life: min. 100,000 operations

TR Series Thin Power

- UL1054 rating: 16A, 125VAC/250VAC
- 16A switching in 11mm wide package
- Temp. range: -20°C to +85°C
 Mechanical life: min. 50,000 operations

WR Series Double Pole Power

- UL1054 rating: 16A, 125VAC/250VAC
- · Rugged construction for 2-pole, high-current applications
- Temp. range: -20°C to +85°C
- Mechanical life: min. 50,000 operations

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See Our Complete Series of Cherry Rocker Switches Offering at www.Jameco.com/Prod/CherryRocker

Rocker/Paddle Alcoswitch **Switches**

TRD Series

- Contact rating: silver 3A max. @ 125VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ @ 500VDC
- Contact resistance: $20m\Omega$ max.
- Operating temp.: -20°C to +85°C

PRA/PRB/PRD Series Snap-In

- Current: 16A @ 125VAC; 10A @ 250VAC
- Dielectric strength: >1000VAC, 1 min. • Insulation resistance: >100M Ω min.
- Operating life endurance:
- up to >100,000 operations

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RoHS Compliant Product RoHS Also Available

Color Code Legend New Sale Lower\$ QtySave

JAMECO Value Pro

Quantity SAVE

Standard Toggle Switches







Panel mount

· Mounting hole diameter: 1/2"

· Full-size round lever for standard and metal

· Full-size flat lever for plastic

· Medium duty

· Keyed plate indicates switch position Includes: Mounting hardware and on/off plate













Fig. 3



2-pin or 4-pin

Fig. 1

Fig. 4

	Cross					Dimensions	Lea	nd Spa	cing	Contact Rating		Lever			Pricing		
Part No.	Ref. No.	Fig.	Pins		Туре	L" x W" x D"	A"	В"	C"	(A @ VAC)	Lead Type	Туре	1	10	100	500	1000
76241	SWM128⊕	1	2	SPST	on-off	1.00 x .56 x .52	.23	_	_	4 @ 125 & 2 @ 250	Solder lugs	Round	\$1.49	\$1.34	\$1.14	\$.91	\$.68
76232	SWM125⊕	2	2	SPST	on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	1.85	1.69	1.55	1.39	1.25
317833	R13-25A2-05 ↔	3	2	SPST	on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	1.99	1.75	1.39	1.22	1.13
317809	R13-25A1-01 &	3	2	SPST	on-off	1.14 x .59 x .62	.38	.38	_	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	1.39	1.29	1.15	1.02	.85
317825	R13-25A2-01⊕	3	2	SPST	on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	1.99	1.75	1.38	1.27	1.10
318002	R13-28A-01 2	4	2	SPST	on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	1.99	1.75	1.39	1.25	1.13
318019	R13-28A-05⊕	4	2	SPST	on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	1.99	1.45	1.39	1.25	1.13
318027	R13-28A-06⊕	4	2	SPST	on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.25	1.99	1.55	1.39	1.25
317892	R13-25C1-05⊕	3	3	SPDT	on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.39	2.15	1.69	1.52	1.46
317913	R13-25C2-05⊕	3	3	SPDT	on-on	1.14 x .59 x .62	.38	.38	_	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.51	1.49
317884	R13-25C1-01⊕	3	3	SPDT	on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	2.85	2.55	2.00	1.79	1.72
317905	R13-25C2-01⊕	3	3	SPDT	on-on	1.14 x .59 x .62	.38	.38	_	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.45	2.15	1.69	1.51	1.49
318086	R13-28C-01⊕	4	3	SPDT	on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.75	2.48	2.11	1.69	1.27
318094	R13-28C-05⊕	4	3	SPDT	on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.75	2.48	2.11	1.69	1.27
318107	R13-28C-06⊕	4	3	SPDT	on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.75
317930	R13-25D1-05⊕	3	3	SPDT	on-off-on	1.14 x .59 x .62	.38	.38	_	10 @ 125 & 6 @ 250	Solder	Plastic	2.45	2.15	1.69	1.55	1.45
317956	R13-25D2-05⊕	3	3	SPDT	on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.55	1.45
318123	R13-28D-01⊕	4	3	SPDT	on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.75	2.45	2.08	1.66	1.39
318131	R13-28D-05⊕	4	3	SPDT	on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.47
318141	R13-28D-06 ₹	4	3	SPDT	on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.69
158060	JKN32⊕	1	4	SPDT	on-off	1.00 x .56 x .52	.23	_	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.05	.95	.85	.75
76260	SWM126⊕	1	6	DPDT	on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.58	1.53	1.22	.92
158078	JKN3CC ⊕	1	6	DPDT	on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.75	1.59	1.29	.99	.75
317850	R13-25B1-05 ↔	3	6	DPDT	on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
318043	R13-28B-01⊕	4	6	DPDT	on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.75	3.35	2.59	2.35	2.09
318051	R13-28B-05⊕	4	6	DPDT	on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.75	3.35	2.59	2.35	2.09
318060	R13-28B-06⊕	4	6	DPDT	on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	4.59	4.15	3.19	2.89	2.75
317972	R13-25E1-05⊕	3	6	DPDT	on-off-on	1.14 x .59 x .62	.38	.38	_	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.38	2.87	2.30	1.73
						01	ther	Ma	nufa	acturers — Great	t Deals						
76259	SWM126⊕	1	6	DPDT	on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	\$1.59	\$1.43	\$1.22	\$.98	\$.74

JAMECO ValuePro

• Mounting hole diameter: 7/32"

Pre-tinned leads

· Metal construction

Includes: Mounting hardware

Subminiature Toggle Switches





Quantity SAVE



	Cross				Dimensions	Lead S	pacing			Lever			Pricing		
Part No.	Ref. No.	Fig.	Pins	Туре	L" x W" x D"	A"	В"	Contact Rating	Lead Type	Туре	1	10	100	500	1000
106068	SWP124	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	\$1.99	\$1.83	\$1.59	\$1.44	\$1.32
72160	SW1501⊕	2	2	SPST on-off	.33 x .21 x .33	.10	_	1.5A @ 250VAC	Solder lugs	Round	1.09	1.07	1.04	.99	.84
75969	SWM136⊕	2	3	SPDT on-on	.33 x .21 x .33	.10	_	3A @ 125VAC	Solder lugs	Round	1.55	1.44	1.21	.86	.63
72557	SW1502⊕	2	3	SPDT on-off-on	.33 x .21 x .33	.10	_	1.5A @ 250VAC	Solder lugs	Round	1.35	1.25	1.05	.85	.60
138907	SW1503⊕	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.29	1.05	.85	.64	.48
75977	SWM137⊕	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55

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Jameco's ValuePro line of passive, electromechanical and interconnect products are high-quality electronic components and guaranteed to be at the lowest prices you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost. No more high-priced brand markup... no more costly layers of distribution...

no more restrictive franchise agreements that hold minimum prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet!



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

A Series

MT Series

7320 Series



JAMECO Value Pro

Mounting hole diameter: 1/4'









Miniature Toggle Switches









Includes:	Mounting	h	ardv	/are

Fig. 3



c**FL**us

	Cross			Туре	Dimensions	Le	ad Spaci	ing	Contact Rating		Lever			Pricing		
Part No.	Ref. No.	Fig.	Pins	() Momentary	L" x W" x D"	A"	B"	C"	(A @ VAC)	Lead Type	Туре	1	10	100	500	1000
76523	JMT113⊕	1	2	SPST on-off	.52 x .32 x .38	_	.185	_	6 @ 125 & 3 @ 250	Solder lugs	Round	\$1.15	\$1.03	\$.93	\$.75	\$.65
21936	JMT123⊕	1	3	SPDT on-on	.52 x .32 x .38	_	.185	_	5 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.03	.93	.75	.65
21910	JMT121⊕	1	3	SPDT on-off-on	.52 x .32 x .38	_	.185	_	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.71
22833	LFH123₹	2	3	SPDT on-on	.52 x .28 x .36	_	.185	_	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.15	1.05	.95	.85	.75
75854	SWM132⊕	1	3	SPDT on-on	.52 x .32 x .38	_	.185	_	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.94	.69
75889	SWM129⊕	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	_	.185	_	6 @ 125 & 3 @ 250	Solder lugs	Round	1.99	1.85	1.55	1.09	.95
26331	MPC123⊕	1	3	SPDT on-on	.52 x .32 x .37	_	.185	_	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315	MPC121⊕	1	3	SPDT on-off-on	.52 x .32 x .37	_	.185	_	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	(72)
71597	SWM148⊕	3	3	SPDT on-on	.52 x .32 x .38	_	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.19	1.09	.91	.73	.55
75871	SWM145⊕	4	3	SPDT on-on	.52 x .32 x .38	_	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
22841	LFH221⊕	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	_	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.35	1.19	1.09	.95
21979	JMT223⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	_	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859	LFH223⊕	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	_	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.29	1.19	1.05	.95	.71
75900	SWM133⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	_	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.34	1.14	.91	.68
21952	JMT221⊕	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	_	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	.99	.79	.59
75951	SWM130⊕	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	_	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.89
26367	MPC223 ₹	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	_	5 @ 125 & 2 @ 250	PC straight	Round	1.49	1.35	1.25	.99	.89
26358	MPC221 ⊕	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	_	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.16	1.04	.89	.75
							Othe	er Ma	nufacturers							
105814	SWA208⊕	5	6	DPDT on-(on)	.52 x .52 x .38	.20	.185	_	5 @ 125 & 2 @ 250	Solder lugs	Round	\$1.59	\$1.45	\$1.29	\$1.03	\$.77
202964	WI24	7	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.15	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.59	.79	.68	.54	.41

-8

Toggle Switches

E Series Sealed Miniature

- Contact rating: 7.5A @ 125VAC or 28VDC; 3A @ 250VAC
- UL 94V-0 Nylon case and bushing
- Sealed against solder and cleaning process contaminants
- Operating temp.: -30°C to +85°C
- Insulation resistance: $10,000M\Omega$ min.

GT Series Sealed Ultraminiature

- Contact rating: 0.4VA max. @ 20VAC or DC max.
- · Sealed against solder and cleaning process contaminants
- Insulation resistance: $10,000M\Omega$ min.
- Operating temp.: -30°C to +85°C
- Ultraminiature size, smallest footprint available

T Series Subminiature

- Operating temp.: -30°C to +85°C
- Insulation resistance: 10,000MΩmin.
- Contact rating: 0.4 VA max. @ 20VAC/VDC max; 3A @ 120VAČ or 28VDC
- · Compact size, small footprint

7000 Series Miniature

- · Epoxy sealed terminals prevent contamination
- Insulation resistance: 10,000MΩmin.
- Contact rating: 0.4VA max. @ 20VAC/VDC max; 5A @ 120VAC or 28VDC; 2A @ 250VAC
- Operating temp.: -30°C to +85°C

9000 Series Power

- · Contact rating: 6A @ 120VAC/28VDC; 3A @ 250VAC or 10A @ 125VAC/ 28VDC; 5A @ 250VAC
- Insulation resistance: 10,000M $\!\Omega$ min.
- Operating temp.: -30°C to +85°C

MIL-S-83731 Series Military/Aerospace/Hi-Rel

- Contact rating: 0.4VA max. @ 28VAC/DC max.
- Operating temp.: -25°C to +71°C

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E Series



GT Series



T Series



7000 Series

Alcoswitch Toggle Switches

Gemini A Series Miniature

- Insulation resistance: 1000MΩ @ 500VDC
- · Dielectric strength: 1000 volts RMS @ sea level
- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Operating temp.: -20°C to 85°C

AE Series Washable

- Dielectric strength: 1000 volts RMS @ sea level
 Operating temp.: -20°C to +85°C
- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Insulation resistance: $1000M\Omega$ @ 500VDC

MT Series

- Dielectric strength: 1500VAC
- Operating temp.: -20°C to +80°C
- · Contact rating: gold: 6A @ 125VAC, 3A @ 250VAC
- Insulation resistance: 1000M Ω @ 500VDC min. for 1 minute

- Insulation resistance: $1000M\Omega$ min. @ 500VDC min.
- · Dielectric strength: 1000 volts RMS @ sea level
- Contact rating: 0.4VA @ 20VDC or peak AC or 3A @ 125VAC
- Operating temp.: -30°C to +85°C

7320/7360/7402 Series Power

- Operating temp.: 0°C to 55°C
- Screw terminals
- Contact rating: 7320 series: 16A @ 125VAC, 8A @ 250VAC; 7360 series: 20A @ 125VAC, 10A @ 250VAC; 7402 series: 20A @ 125/250VAC

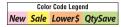
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Details on page 1.



RoHS Compliant Product RoHS Also Available



GG

Heavy-Duty Toggle Switches

Toggle Switches

			Type	Contact Rating		Mounting			Pricing	
Part No.	Product No.	Fig.	() Momentary	(A @ VAC)	Lead Type	Hole	Lever Type	1	10	100
620787	35-078	1	SPST on-off	15 @ 125	Solder	0.500"	Bat (metal)	\$3.19	\$2.99	\$2.90
620963	35-130♠	2	SPDT on-on	20 @ 125	Screw	0.500"	Bat (metal)	3.25	3.04	2.84
621018	35-139♠	3	3PST on-off	17 @ 125	Screw	0.500"	Bat (metal)	10.65	9.97	9.31
621026	35-140♠	3	3PDT on-off-on	17 @ 125	Screw	0.500"	Bat (metal)	12.55	11.76	10.99
621034	35-141♠	3	3PDT on-on	17 @ 125	Screw	0.500"	Bat (metal)	12.55	11.76	10.99
621122	35-149♠	1	DPDT on-off-on	20 @ 125	Solder	0.500"	Bat (metal)	5.75	5.23	4.73
621131	35-150♠	2	DPDT (on)-off-(on)	20 @ 125	Screw	0.500"	Bat (metal)	6.25	5.85	5.47
621181	35-155♠	2	SPDT (on)-off-(on)	20 @ 125	Screw	0.500"	Bat (metal)	4.29	4.03	3.78
621261	35-185♠	4	DPST on-off	20 @ 125	0.250" quick conn.	0.500"	Bat (metal)	5.15	4.80	4.47
621499	35-3005♠	4	SPST on-off	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	2.65	2.47	2.30
621536	35-3015♠	4	SPDT on-off-on	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	3.29	3.08	2.88
621544	35-3020	4	DPDT on-on	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.45	4.16	4.08
621552	35-3025♠	4	DPDT on-off-on	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.45	4.17	3.90
621587	35-3045♠	4	DPST on-off	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.75	4.45	4.16
621608	35-3055♠	4	SPST off-(on)	20 @ 125	0.250" quick conn.	0.500"	Bat (brass)	4.55	4.25	3.97
621616	35-3060♠	2	DPST on-off	20 @ 125	Screw	0.500"	Bat (brass)	4.45	4.16	3.89
621641	35-3075♠	5	DPST on-off	20 @ 125	Screw	0.500"	Bat (brass)	9.59	8.90	8.28



Medium-Duty Toggle Switches

			Туре	Contact Rating		Mounting			Pricing	
Part No.	Product No.	Fig.	() Momentary	(A @ VAC)	Lead Type	Hole	Lever Type	1	10	100
620816	35-090♠	6	SPST on-off	16 @ 125	0.250" quick conn.	0.500"	Paddle (red)	\$5.29	\$4.96	\$4.64
620832	35-094♠	6	SPST on-off	16 @ 125	0.250" quick conn.	0.500"	Paddle (green)	5.29	4.96	4.64
620921	35-118♠	7	DPST on-off	6 @ 125	0.250" quick conn.	0.500"	Bat (metal)	4.45	4.17	3.90
620971	35-132♠	8	DPDT on-on	3 @ 125	Solder	0.500"	Bat (metal)	1.95	1.81	1.68
621190	35-160♠	9	SPST on-off	6 @ 125	Solder	0.500"	Bat (metal)	3.55	3.31	3.08
621211	35-170♠	10	SPST on-off	6 @ 125	Screw	0.500"	Ball (metal)	7.85	7.36	6.88
621229	35-178	11	SPST-on-off	20 @ 125	0.250" quick conn.	0.500"	Paddle (plastic)	3.35	3.21	3.08
617721	35-854♠	12	SPST on-off	6 @ 125	Lead wires	0.500"	Bat (plastic)	3.49	3.22	2.97
620841	35-1076♠	13	SPST off-(on)	6 @ 125	Screw	0.500"	Bat (metal)	6.25	5.85	5.47
621579	35-3035♠	14	SPST on-off	6 @ 125	Screw	0.500"	Bat (brass)	2.95	2.75	2.56
621595	35-3050	15	SPST on-off	10 @ 125	Lead wires	0.500"	Paddle (brass)	3.25	3.12	3.01
621683	35-3127♠	16	DPDT (on)-off-(on)	15 @ 125	0.250" quick conn.	0.500"	Bat (metal)	10.09	9.39	8.76
621763	35-3160♠	17	SPST on-off	20 @ 125	Screw	0.500"	Paddle (nylon)	3.45	3.21	2.99







Fig. 19

Miniature Toggle Switches

			Type	Contact Rating		Mounting			Pricing	
Part No.	Product No.	Fig.	() Momentary	(A @ VAC)	Lead Type	Hole	Lever Type	1	10	100
620517	35-003♠	18	SPDT on-(on)	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	\$2.75	\$2.57	\$2.40
620525	35-004♠	18	SPDT on-on	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.35	2.20	2.06
620533	35-005♠	18	SPDT on-off-on	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.75	2.57	2.40
620550	35-007♠	18	SPDT on-off-(on)	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.75	2.57	2.40
620568	35-008♠	18	SPDT (on)-off-(on)	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	2.65	2.47	2.30
620576	35-009	19	DPDT on-on-on	5 @ 125	Solder	0.250"	Bat (brass chrome plate)	4.25	3.98	3.72

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OMRON

B3F Series Miniature Tactile Key Switch

- · Low profile and easy mounting
- · Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.
 • Lead spacing: A = 0.18"; B = 0.26"
 • Operating force: high-force 260g

- Extended mechanical/electrical service life
- · Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Dimensions: 4.3 mm x 6.5 mm

Part No.	Туре	1	25	50	100
162886	B3F-1000 ≉	\$.45	\$.40	\$.36	\$.33

GC

Tactile Switches

- · Contact rating: 50mA @ 12VDC
- Contact form: SPST (on)-off
- PC terminal
- Actuator:
- P/N 621077 low profile gray P/N 621085 – low profile black

Part No.	Product No.	Body Size	1 10	100
621077	35-1451♠	12mm \$.99	9 \$.92	\$.86
621085	35-1452♠	6mm89	.82	.76

To Find Additional GC Tactile Switches visit www.Jameco.com/Prod/GCTactile

Alcoswitch **Tactile Switches**

FSM Series

- Operating temp.: -40°C to +85°C
- Initial contact resistance: $100 \text{m}\Omega$ max.
- Insulation resistance: $100M\Omega$ min. @ 500VDC
- · Dielectric strength: 500VAC for 1 minute

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Tactile Switch Offering at www.Jameco.com/Prod/AlcoTactile

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



Tactile, Speciality & Miscellaneous Switches

Tactile Switches JAMECO ValuePro **Quantity SAVE** Fig. 5 Fig. 6 A · Bounce time: 10 msec. SPST momentary ON · Lead type: PC Fig. 8 Fig. 9 Contact resistance: 100mΩ

				Dii	mensi	ons (in	1.)	Lead S	Spacing	Contact Rating	Button		Prici	ing	
Part No.	Cross Ref. No.	Fig.	Pins	L	W	D	С	Α"	В"	(mA @ VDC)	Color	1	10	100	250
122973	DTS1212 ₹	1	4	.47	.47	.18	_	.20	.50	20 @ 15	Black	\$.26	\$.23	\$.19	\$.17
119010	KTIIBICM⊕	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.176	.132
149948	KT11P4CM⊕	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.23	.234	.184	.138
199728	EVQ11A04M ₹	6	2	.24	.24	.14	.30	.20	_	20 @ 15	White	.30	.221	.196	.187
137190	PBS103₹	1	4	.47	.47	.17	_	.20	.50	50 @ 12	Black	.39	.35	.32	.19
153251	SDT620K⊕	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155249	KRS-3550-BK ≈	4	2	.24	.14	.15	_	_	.27	50 @ 12	Black	.22	.20	.16	.15
155380	KRS-1273B ₹ ◆	5	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

Part No.	Cross Ref. No.		Fig.	Descri	ption		Size ((in.)	N	/laterial	For Use	e With	10	1	100	250
155389	KRS-CAP-A	Ð	8	Squar	е	.47"L	х .47"	W x .16	"H F	Plastic	P/N 15	5380	\$.15	\$.	.11	\$.10
155409	KRS-CAP-B	₹	9	Round	t	.5	0"Dia.	x .25"H	F	Plastic	P/N 15	5380	.15		.13	.11
				Othe	er M	anuf	actu	irers	<u> — 0</u>	Great	Deals			* 10 p	iece mi	nimum
	Cross Dimensions (in.) Lead Spacing Contact Rating Button										Button		Prici	ng		
Part No.	Ref. No.*	Fig.	Pins	L	W	D	С	A"	В"	(mA	@ VDC)	Color	1	10	100	250
199726	EVQ11A04M	6	2	.24	.24	.14	.30	.20	_	20	@ 15	White	\$.27	\$.199	\$.176	\$.13
454491	DST21N	1	4	.47	.47	.14	.03	.19	.47	50	@ 12	Brown	.23	.21	.19	.17
454504	DTSM-61R ¹	1 .	1	.24	.24	.15	.03	.19	.32		@ 12	! Red	.23	.21	.19	.17

50 @ 12

50 @ 24

.18

Black

.23 .21

Tactile Switch Caps

2 See switch caps above 1 454504/454512: SMD

.24 .24

4 .24 .24

454512

202956

DSTM-61K 1

KSM06330

Specialty Switches

.03 .19 .32

.38

.15



Pull Chain Switches • Current rating: 6A @ 20VAC/VDC; 3A @ 120VAC

Part No.	Product No.	Fig.	Contact Form	Actuator	Terminal Type	1	10	50
617764	35-864	1	SPST on-off	3 1/2" pull chain	6" wires	\$2.75	\$2.52	\$2.31
617772	35-865♠	2	R3P off- (1)on - (2) on	3 3/4" pull chain	push-in	4.59	4.24	3.89
617781	35-867♠	2	SP3T off-on-on-on	3 3/4" pull chain	push-in	5.05	4.45	3.96

Magnetic Proximity • Current rating: 0.5A @ 20VAC/VDC: 0.08A @ 120VAC

3	,		9					
617502	35-750♠	3	SPST NO w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	\$3.35	\$3.16	\$2.98
617529	35-752	4	SPDT NO/NC	Use magnet	Leaded SD	4.15	3.97	3.78
617545	35-756	3	SPDT NO/NC w/o magnet	Need magnet	Screw term., 1/4" gap, surface mount	7.05	6.56	6.10

Knife Switches • Current rating: 0.5A @ 6VDC • Mounting hole: 3.4mm

617490	35-730	5	DPDT on-off-on	Plastic handle	Screw terminal	\$4.09	\$3.99	\$3.91
•								

Proximity Magnets • Current rating: 0.3A @ 30VAC/VDC

Part No.	Product No.	Fig.	Contact Form	Terminal Type	1	10	100		
617511	35-751♠	_	SPST NO	Screw terminal, 1/4" gap, surface mount	\$9.69	\$8.87	\$8.11		
617537	35-754♠	6	SPST NO	Side wire leads, 1" gap, subminiature surface mount	8.39	7.67	7.01		
617553	35-761♠	_	SPST NO	Wire leads, 1/4" gap, recessed magnet, panel mount 3/4"	9.25	8.48	7.78		
617561	35-762♠	_	SPST NO	Wire leads, 1/4" gap, recessed magnet, panel mount 3.8"	6.49	5.91	5.40		
To Fir	To Find Mercury Tilt Switches, visit our website at www.Jameco.com/Prod/GCSpecialty								

🕏 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

🗷 RoHS compliant product 🔀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST

171871: • 500mA @ 100VDC

Size: 0.53"L x 0.1"Dia.

164081

164081: 1A @ 250VAC; 1A @ 50VDC Quantity SAVE Size: 1.43"L x 0.2"Dia.

Part No. Cross Ref. No 10 100 171871 MKA14103⊕ \$.79 \$.64 \$.46 \$.41 164081 .62 .56 .448 (.336)

Navigation Switches

TPA Series Tact for SMT

- · One touch, 5 way switching
- · Distinctive tactile feel for scanning and select functions
- Contact resistance: ≤200mΩ initial
- Insulation resistance: $1000M\Omega$ @ 100VDC
- · Dielectric strength: 250VDC

TPC Series Tri-Direction Scan

- · One touch, 3 way switching
- Superior tactile feel
- Contact resistance: ≤300mA
- · Rotation of actuator closes two individual contacts
- Insulation resistance: $1000M\Omega$ @ 100VDC
- · Dielectric strength: 250VDC
- Operating temp.: -40°C to +125°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Navigation Switch Offering at www.Jameco.com/Prod/CKNavigation

Switch Assortment Kit

Includes:

10 piece minimum

.19 .17

.092

- · 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 209 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26331, 26315, 21979, 21952, 26367, 26358), pg 187
- · 10 ea. slide switches (109171), see web 10 ea. pushbutton switches
- (26623, 26649), pg 176
- 10 ea. DIP switches (38818, 38843), pg 191
- 10 ea. tactile switches (153251), pg 189

Part No.	Description	Wt. (lbs.)	1	10
85059	150 pcs. switch kit	5.0	\$98.95	\$88.95



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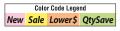


SAVE \$50



RoHS Compliant Product → RoHS Also Available





JAMECO ValuePro

Rotary Switches

Contact rating: 30VDC @ 0.3A

Insulation resistance: $10M\Omega$ min.

Contact resistance: 30mΩ

Lug size: 0.07"

Mounting hole diameter: 3/8

· Material: solid brass bushings, slotted aluminum shafts plated frame, phenolic contact wafer (except for P/N 101565 - plastic casing)

Make before break · Solder lugs · Panel mount

Includes: Washer and nut

Quantity SAVE

Part No.	Cross Ref. No.	Poles	Position	Shaft Size (L" x Dia.")	1	10	50
101531	RS0261 ⊕o	1	12	0.46 x 0.25	\$1.25	\$1.04	\$.96
101574	RS022 🕿	2	6	0.46 x 0.25	1.35	1.15	.86
101565	RS023⊕	3	4	1.16 x 0.25	1.95	1.59	1.25
101557	RS024⊕	4	3	0.46 x 0.25	1.21	1.02	.77

\mathbf{GC}_{-}

622336

622352

622379

622387

622395

Rotary Switches

Solder Eyelet Style

 Current: 0.3A @ 125VAC · Actuator: 1/4" metal shaft

Mounting hole dia.: 0.375"

Product No.

35-375

35-376

35-377

35-378

35-379





_	622336	622387	6177	30	617748
	Position	Mounting Style	1	10	100
	6	Shorting	\$3.85	\$3.55	\$3.28
	12	Shorting	2.89	2.66	2.48
	5	Non-shorting	3.85	3.55	3.28
	3	Non-shorting	3.85	3.55	3.28

2 89

2.66

2.48

6" Lead Wire Style

Mounting: threaded bushing
 Contact form: SPST on-off

2

3

		Current		Mounting	Pricing		
Part No.	Product No.	(A@125/250VAC)	Actuator	Hole (Dia.)	1	10	100
617730	35-855	6/3	Brass knob	0.375"	\$3.05	\$2.49	\$2.02
617748	35-856♠	6/2	Black plastic	0.375"	2.95	2.47	2.01

Shorting

Alcoswitch

MRC Series

- Contact rating: 500mA @ 125VAC or 28VDC resistive
- Insulation resistance: $100M\Omega$ min. Operating temp.: -20° C to $+80^{\circ}$ C
- Dielectric strength: 1000V_{RMS} @ sea level

MRJ Series

- · Contact rating: 0.4VA max. @ 20VDC or peak AC
- Insulation resistance: 10,000MΩ min.
 Op. temp.: -20°C to +70°C
- Dielectric strength: 1000 V_{RMS} @ sea level

Rotary Switches

- Current/voltage rating: Signal application only Insulation resistance: $1000M\Omega$ Op. temp.: -18°C to +88°C
- Dielectric breakdown voltage: 500VDC min.
- Compact design, small diameter, low profile switches

are ideal for pc board mounting These products ship from a separate warehouse and may not ship the same day. Each warehouse will



582426

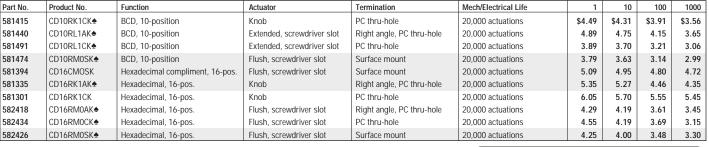
accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Rotary Switch Offering at www.Jameco.com/Prod/AlcoRotary

MRC Series

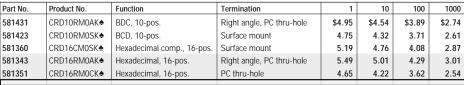
CD Series 8mm DIP Coded Rotary Switches Contact resistance: 50mΩ max. initial

- · Contact rating: 0.4W max. @ 20VAC or VDC max. Insulation resistance: 100MΩ min. @ 250VAC min.
 Dielectric strength: 250V_{RMS} min.
- Cover and base, knob: glass filled nylon, (UL94V-0)
 - Actuator: LCP (UL94V-0), internal o-ring seal standard
- · Movable contacts and stationary contacts: copper alloy with gold plate over nickel plate
- 581394 Terminals: copper alloy with tin-lead alloy over nickel plate



CRD Series 10mm DIP Coded Rotary Switches

- · Contact rating: 0.4W, 20VDC max.
- Electrical life: 20,000 steps min. @ 5VDC, 10mA Insulation resistance: $1000M\Omega$ min. @ 100VDC
- · Cover: (PTH) PBT red; (SMT) PPA red (UL94V-0)
- Actuator: 4/6 nylon PA-6T (ÚL94V-0)
- · Terminal: brass with tin-lead plate
- · Mechanical life: 30,000 steps min.
- Contact resistance: 100mΩ max. initial @ 2VDC, 10mA Dielectric strength: 300VAC for 1 minute
 - Housing: (PTH) PBT green, (SMT) PPA red (UL94V-0)
 - · Contact: beryllium copper with gold plating
 - · Actuator: flush, screwdriver slot



See Our C&K RTE Series Switch Offering at www.Jameco.com/Prod/CKDIP

Free Technical Support

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Rotary Switches

A Series 1-4 Pole

- · Multi-pole and multi-position
- Positive detent
- Contact rating: -2.5A @ 125VAC; 350mA @ 125VDC
- Insulation resistance: $1000M\Omega$ min.
- Dielectric strength: 1000V_{RMS} @ sea level A Series

M Series 1/2 Inch

Stainless steel actuator

Sorry, we're unable to ship COD.

- · Multi-pole and multi-position
- Contact rating: 250mA @
- 125VAC/28VDC Insulation resistance: $10000M\Omega$ min.
- Operating temp.: -30°C to +85°C
- Dielectric strength: 600V_{RMS} @ sea level M Series These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges.

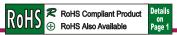
See Our Complete C&K Rotary Switch Offering at www.Jameco.com/Prod/CKRotary



ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.









Rotary DIP Switches

· Gold plated contacts to ensure reliable, low resistance connection

Position

10

- Fully sealed construction Terminals: PC pin leads
- Life: 10,000 cycles min.
 Op. force: 500g-cm max.
- Max. switching load rating: 25mA @ 24VDC
 Lead spacing: A = 0.1"; B = 0.3"

Top

Top

Material: 94V-0 grade, UL approved fire retardant plastic





139652

0	100	50	10	1
6	\$1.86	\$2.07	\$2.33	\$2.59
9	1.99	2.22	2.49	2.75



Part No.

139636

139652

Rotary DIP Switches

W" x D" x H"

.39 x .39 x .20

.39 x .39 x .20

Adjust Code Type

BCD

Hex

- Fully sealed construction Rotor and switch body: plastic (UL94V-0)
- · Contact and terminal material: copper alloy plated
- Make and break current rating: 30mA @ 30VDC for 10,000 cycles

215992: • 0.1" x 0.3" pin spacing (standard through hole)

645669: • 0.270" actuator type

Cross Ref. No.

ERD116RS ₹

ERD110RS(DRD10) 2



BD Series

SD Series



BPA Series

SDA Series

TDA Series

215992	2	645669
Rlue Part No.	- Limited C	Juantity Available

									,
Part No.	Product No.	Position	Adjust	Code Type	W" x D" x H"	1	10	50	100
215992	HAB16	16	Top	Hex	.39 x .39 x .20	\$1.95	\$1.75	\$1.59	\$1.45
645669	HBB08 ☉	8	Top	Octal	.38 x .39 x .23	2.25	2.05	1.89	1.69



DIP Switches

BD Series Standard Profile • Insulation resistance: $1,000M\Omega$ min.

- Traditional full profile DIP switch Contact rating: 100mA @ 50VDC
- Dielectric strength: 500V_{RMS} @ sea level Operating temp.: -40°C to +85°C

BPA Series Side Actuated • Insulation resistance: $100VDC 100M\Omega$ min.

- Side actuated contacts · Contact rating: 100mA @ 50VDC
- Dielectric strength: 300VAC for 1 min. Operating temp.: -20°C to +85°C

SD Series Low Profile

- Dielectric strength: 500V_{RMS} @ sea level
- Contact rating: 100mA @ 50VDC • Operating temp.: -20°C to +85°C • Insulation resistance: $10M\Omega$ or $1,000M\Omega$ min. · Sealed with top tape

SDA Series Low Profile • Insulation resistance: 1,000M Ω min. @ 100VDC

- · Contact rating: 25mA @ 24VDC; 100mA @ 50VDC
- Dielectric strength: 300VAC for 1 min. • Operating temp.: -20°C to +85°C

TDA Series Low Profile • Insulation resistance: 1,000MΩ min. @ 100VDC • Operating temp.: -20°C to +85°C

 Contact rating: 25mA @ 24VDC: 100mA @ 50VDC Dielectric strength: 300VAC for 1 min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K DIP Switch Offering at www.Jameco.com/Prod/CKDIP

Alcoswitch

DIP Switches

AD Series · Contact rating: 0.4VA @ 20VDC max.

- Insulation resistance: 1,000MΩ min. @ 100VDC
 Dielectric strength: 500VAC
- GD Series Contact rating: 0.4VA 25mA @ 24VDC
- Insulation resist.: 100MΩ min. @ 250VDC

DRD Series Sealed Rotary • Contact rating: 0.4VA max. @ 20VDC max.

- Insulation resistance: 1,000M Ω min. @ 100VDC
- 7000 Series Dielectric withstandingvoltage: 500VDC min.
- Current/voltage rating: Non-switching-1.0A max. @ 50VDC

7100 Series SPST Rocker Style Actuator • Dielectric withstanding voltage: 500VDC min.

Current/voltage rating: Non-switching-1.0A max. @ 40VDC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch DIP Switch Offering at www.Jameco.com/Prod/AlcoDIP



DIP Switches

- Operating temp.: -40°C to +85°C
- 76 & 78 Series SPDT Through Hole
- Carrying current rating: 4A or 5A
- Raised and recessed rocker and toggle actuated styles
- 90HB Series SPST, Low Profile SMT Dielectric strength: 500V_{RMS}
- · Carrying current rating: 3A

RoHS compliant product

Reliable spring and ball contact

• Dielectric strength: 500V_{RMS}

· Spring and ball contact

76 Series These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges

• Insulation resistance: $1000M\Omega$ @ 100VDC min

See Our Complete Grayhill DIP Switch Offering at www.Jameco.com/Prod/GrayhillDIP



DIP Switches



206359





139011



38843

Switch contacts: SPST

- Switches are numbered
- 50VDC @ 100mA
- · Molded construction
- · Standard switches have raised lever
- · LP switches are flush to casing · Pre-tinned leads

Compatible Socket Chart, see page 148 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109059	112193	38827	37162	38798	38608
38820	51571	38843	37372	38801	39378
139003	51571	139011	37372	38834	37162
109057	112193	139002	51571	101856	38113
38818	51571	38826	37162	38797	38608
206359	51571	454547	_		

		Cross		Pricing					
	Part No.	Ref. No.	Pos.	1	10	100	1000		
1	109059	206-22	2	\$.75	\$.68	\$.61	\$.55		
	38820	206-42	4	.65	.55	.49	.45		
	139003	206-4LP⊕	4	.79	.70	.55	.44		
	38827	206-6 ↔	6	.99	.89	.79	.72		
	38843	206-82	8	.89	.80	.72	.64		
	139011	206-8LP⊕	8	.85	.76	.61	.47		
	38798	206-10 ↔	10	.95	.86	.68	.59		
	38801	206-12	12	1.05	.99	.93	.62		
	Oti	hor Manut	facti	ırors —	Great	Deals			

	1									
Other Manufacturers — Great Deals										
109057	206-2*	2	\$.69	\$.61	\$.56	\$.51				
206359	206-3*	3	.79	.65	.55	.413				
38818	206-4⊕	4	.44	.432	.366	.30				
139002	206-4LP*	4	\$.55.47	.441	.303	.262				
38826	206-6*	6	.91	.82	.73	.66				
454547	DMR06T [†]	6	.89	.80	.71	.58				
38834	206-7*	7	.95	.86	.77	.62				
101856	206-9*	9	.78	.73	.61	.46				
38797	206-10*	10	.87	.79	.71	.59				
ata.										

* Manufacturer may vary † SMT

JAMECO ValuePro

Tri-State DIP Switch

- Switch contacts: bused, tri-state
- 8 positions Pre-tinned leads
- Labeled tri-state positions (+, 0, -)
- Contact rating: 24VDC @ 25mA
- Two isolated buses
- · Compatible socket, use P/N 37372, pg 148

Part No.	Cross Ref. No	0. 1	10	50	100
138992	ETA108E ₹	\$1.95	\$1.75	\$1.55	\$1.35

DIP Switches

- Standard profile
- 2A @ 5VDC or 25mA @ 25VDC

Part No.	Product No.	Pos.	Length	1	10	50
617908	35-964	4	0.48"	\$1.75	\$1.59	\$1.44
617916	35-968	8	0.88"	2.35	2.16	1.94
617924	35-970	10	1.08"	2.75	2.49	2.24

Alcoswitch Vertical SIP Switches SSV Series

- Contact rating
- 0.4VA @ 20VDC max.
- Operating temp.: -30°C to +85°C
- Insulation resistance: $100M\Omega$ min. @ 100VDC
- · End-to-end stackable in .100" center

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch SIP Switch Offering at www.Jameco.com/Prod/AlcoSIP

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

RoHS Compliant Product RoHS Also Available



90B Series Thru-Hole DIP Switches

Machine Insertable MIDIP

• Tested for TO-116 equipment • Carry current: 3A

 Dielectric strength: 500V_{RMS} • High-pressure reliable contacts

Part No.	Product No.	Position	Length (in.)	1	10	100
473001	90B04S ♠	4	0.470	\$2.09	\$1.86	\$1.68
473027	90B05S ♠	5	0.570	1.75	1.64	.81
473035	90B06S ♠	6	0.670	2.95	2.63	2.37
473051	90B07S ♠	7	0.770	2.95	2.67	2.40
473060	90B08S ♠	8	0.870	1.65	1.60	1.53
697055	90B08ST ≈ ♠	8	0.870	1.15	1.05	.97
473086	90B09S ◆	9	0.970	3.09	2.80	2.52
473094	90B10S ♠	10	1.070	3.29	2.95	2.66

78 Series Thru-Hole DIP Switches

Spring ball contact

· Carrying current: 4A

Dielectric strength: 500V_{RMS}
 SPST, raised slides, sealed

Part No.	Product No.	Position	Length (in.)	1	10	100
472489	78B045S ♠	4	0.480	\$1.99	\$1.87	\$1.71
696950	78B04ST ≈ ♠	4	0.480	.93	.86	.79
472518	78B055S ◆	5	0.580	2.05	1.92	1.76
472542	78B065S ♠	6	0.680	1.69	1.58	.78
472569	78B07S ♠	7	0.780	2.19	2.15	2.10
472593	78B08S ♠	8	0.880	2.35	2.22	2.11
696968	78B08ST ₹ ♠	8	0.880	1.05	.96	.88
696984	78B08T ≈ ♠	8	0.880	.99	.92	.85
472614	78B09S ◆	9	0.980	2.25	2.12	1.94
472631	78B10S ◆	10	1.080	2.29	2.15	1.97
472665	78B12S ♠	12	1.280	2.49	2.45	2.35

recesseu	Silues					
696992	78RB04ST ≈ ♠	4	0.480	\$.93	\$.86	\$.78

94H Series Rotary DIP Switches

· Carry current: 100mA @ 50VDC

Dielectric strength: 250V_{RMS}

			Code			Pricing	
Part No.	Cross Ref. No.	Pos.	Туре	Description	1	10	100
473271	94HAB08 ◆	8	Octal	Flush actuator, PC mount	\$2.89	\$2.73	\$1.73
473297	94HA08BW ♠	8	Octal	Flush actuator, surface mount	2.89	2.73	1.86
473318	94HAB10 ◆	10	BCD	Flush actuator, PC mount	5.39	4.84	4.36
697071	94HAB10RAT 欠 ♠	10	BCD	Flush actuator, right angle, thru-hole	3.05	2.91	2.85
697080	94HAB10T 欠 ♠	10	BCD	Flush actuator, thru-hole	2.69	2.61	2.47
473342	94HAB16	16	HEX	Flush actuator, PC mount	3.59	3.40	3.24
697098	94HAB16RAT 欠 ♠	16	HEX	Flush actuator, right angle, thru-hole	3.05	2.95	2.75
697101	94HAB16T 欠 ♠	16	HEX	Flush actuator, thru-hole	2.89	2.59	2.47
473465	94HBB16 ♠	16	HEX	0.270" actuator, PC mount	2.95	2.73	1.89
473473	94HBB16RA♠	16	HEX	0.270" actuator, right angle	6.49	6.17	5.84

76 Series Thru-Hole DIP Switches

SPST rocker · Spring ball contact

 Dielectric strength: 500V_{RMS} Carrying current: 5A

PSB - Piano DIP Style (UP is off)

Part No.	Product No.	Position	Length (in.)	1	10	100
696781	76PSB02ST ≈ ♠	2	0.280	\$1.39	\$1.27	\$1.15
696790	76PSB02T ₹ ♠	2	0.280	1.39	1.29	1.21
469554	76PSB04 ♠	4	0.480	1.79	1.71	.92
696802	76PSB04ST₹♠	4	0.480	1.15	1.05	.97
696811	76PSB04T ≈ ♠	4	0.480	1.05	.99	.89
469571	76PSB05 ♠	5	0.580	2.99	2.70	2.43
469597	76PSB06 ♠	6	0.680	1.89	1.77	.88
469634	76PSB08 ♠	8	0.880	3.25	2.89	2.60
696829	76PSB08ST₹♠	8	0.880	1.39	1.27	1.16
469651	76PSB09 ♠	9	0.980	3.35	3.00	2.70
469677	76PSB10 ♠	10	1.080	2.09	1.99	.99
469693	76PSB12 ♠	12	1.280	2.19	2.08	1.16

RSB - Raised Rocker Style, Sealed

Part No.	Product No.	Position	Length (in.)	1	10	100
469765	76RSB04S ♠	4	0.480	\$2.69	\$2.41	\$2.17
696845	76RSB04ST ₹ ♠	4	0.480	1.35	1.24	1.13
469781	76RSB05S ♠	5	0.580	1.69	1.61	.90
469802	76RSB06S♠	6	0.680	2.99	2.67	2.40
469829	76RSB07S ♠	7	0.780	1.75	1.66	.92
469845	76RSB08S ♠	8	0.880	1.85	1.71	.95
696853	76SRB08ST ₹ ♠	8	0.880	1.49	1.38	1.27
469861	76RSB09S ♠	9	0.980	2.25	2.05	1.86

SB - Raised Rocker Style

Part No.	Product No.	Position	Length (in.)	1	10	100
696870	76SB02ST ≈ ♠	2	0.280	\$1.05	\$.96	\$.88
696888	76SB04ST ₹ ♠	4	0.480	1.05	.96	.88
696896	76SB04T 欠 ♠	4	0.480	.89	.84	.76
696909	76SB06ST ₹ ♠	6	0.680	1.45	1.33	1.22
696917	76SB08ST ≈ ♠	8	0.880	1.45	1.32	1.19
696933	76SB08T ₹ ♠	8	0.880	1.39	1.29	1.19

Military Qualified

196171

Part No.	Product No.	Position	Length (in.)	1	10	100
696773	76MSB08S ♠	8	0.880	\$9.89	\$8.99	\$7.99

See Our Complete Grayhill DIP Switch Offering at www.Jameco.com/Prod/GrayhillDIP

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

====== 16-Button Keypad Switch

- 1/2" button centers Flange mounted Top surface or sub-surface mounting
- Voltage breakdown: 250VAC
- Contact resistance: 10Ω maximum (compatible with MOS, TTL, and DTL)
- Snap-dome contact provides positive feedback
- Rating @ 24VDC: 10mA resistive 4" x 4" grid Life expectancy: 3,000,000 operations per button

Part No.	Product No.	1	10	100
302025	86BB2-006	\$18.55	\$15.76	\$11.82

🚅 🌉 Modular Keypad Switch

Series 82

- · Unlighted for legend inserts
- · Rating: 100mA @ 5VDC
- Contact resistance: 25mΩ or less
- Insulation resistance: 1000MQ min

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Part No.	Description	1	10	100	
472948	SPST 1 button	\$4.29	\$3.92	\$3.39	

16-Button Indoor/Outdoor Keypads

- · 9-pin .100" headers
- Compatible with MOS TTL and DTL (10Ω max.)
- Contact rating:

473342

- 24VDC @ 10mA resistive
- · Fully sealed
- snap-dome contact Life test: 3,000,000
- cycles per key Recommended connector: P/N 103191 header and
- P/N 100766 pin, pg 141
 Size (housing): 4.7"W x 1.7"H x 0.4"T
- * Minimum order 10 pieces

Part No.	Description	1	10	100
196171	2x8 matrix keypad \$16.9	95	\$14.40	\$10.80
152063	4x4 matrix keypad 14.9	95	13.49	11.95
103191	Header housing (10-pin) ₹ .4	42	.39	.36
100766	Header pin ₹	*	.14	.11

16-Button Numeric Keypad

- · 8-position solder pad
- · Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- · Life test: 1,000,000 life cycles per key

Size: 3.0"L x 2.8"W x 0.6"H

Part No. 169245 Numeric keypad ₹ \$7.95 \$6.25



12-Button Telephone Keypad

· 8-pin .100" header · Contact rating: 12VDC @ 20mA

- Contact resistance: 200Ω max.
- · White plastic tactile type keypad
- Life test: 1,000,000 cycles per key Size: 2.8"L x 2.2"W x 0.6"H

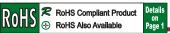


♣ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.









D6 Series SPST Momentary

- Switching power: 6VA max.
- Operating temp.: -20°C to +85°C
- Contact resistance: ≤100 mΩ

K6 Series Miniature

- · Designed for low-level switching
- Switching voltage: 2VDC/30VDC
- Contact resistance: initial 50 m Ω
- Dielectric strength: ≥300V @ 50Hz

K12 Series High Performance

- · High reliability/long life
- Switching voltage: 2VDC/30VDC
- Contact resistance: initial 50 m Ω
- Dielectric strength: ≥500V @ 50Hz

PVA Series Short Stroke

- · Switching voltage: 50VDC
- Contact resistance: initial ≤100 mΩ • Dielectric strength: 1,000V or 750V @ 50Hz • Switching power: 3W DC
- Digitast Series Microminiature SPDT
- Switching power: 240mW DC Switching voltage: 24VDC
- Contact resistance: initial ≤50 mΩ
- Dielectric strength: 500V @ 50Hz

Key Switches

· Easy X, Y coding on single sided PCB

Insulation resistance: ≥100,000MΩ

• Switching power: 0.02mV/3W DC

Insulation resistance: ≥10,000MΩ

• Switching power: 0.02mV/3W DC

Insulation resistance: ≥10,000MΩ

• Operating temp.: -40°C to +85°C

• Operating temp.: -40°C to +85°C

Insulation resistance: ≥10,000MΩ

• Operating temp.: -40°C to +85°C

• Dielectric strength: 1,000V for 1 minute @ 50Hz

- Operating temp.: -25°C to +85°C
- Insulation resistance: ≥10,000MΩ

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

See Our Complete C&K Key Switch Offering at www.Jameco.com/Prod/CKKeySwitches

CHAPTER Keyboard Switches

ML Series Notebook Profile .27"

- · Normally open contact
- Volt.: 12VAC/DC max, 2VDC min.
- Current: 10mA AC/DC max, 100µA DC min.
- Insulation resist .: 100MΩ @ 100VDC
- · Life: >20 million operations



ML Series

MX Series Desktop Profile .60°

- · PCB or frame mount
- Volt.: 12VAC/DC max, 2VDC min.
- Current: 10mA AC/DC max, 10µA DC min.
- Insulation resistance: $100M\Omega$ @ 100VDC



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

See Our Complete Keyboard Switch Offering at www.Jameco.com/Prod/CherryKbdSwitches

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.



Potter & Brumfield General Purpose Relays

D6 Series

PVA Series

K6 Series

Digitast

- Industry standard termination for quick installation
- UL/ĊSA approved
- · Wide range of coil voltages for industrial and commercial applications
- · Contact arrangements from SPDT to 4PDT









Fig. 3







				Contact		Coil	Coil Resis.	Coil Curr.	Mating So	ocket*	Pricing			
Part No.	Product No.	Tyco No.	Fig.	Form	Contact Rating	Voltage	(Ω)	(mA)	Standard	DIN Rail	1	10	25	50
282247	K10P-11A15-120 🕿	4-1393144-0	1	DPDT	15A @ 30VDC; 15A @ 120VAC	120VAC	3,900	11	27E488/489	27E895	\$6.99	\$6.49	\$6.09	\$5.67
282255	K10P-11D15-12 🗷	5-1393144-5	1	DPDT	15A @ 30VDC; 15A @ 120VAC	12VDC	160	75	27E488/489	27E895	7.25	6.90	6.54	5.99
282263	K10P-11D15-24 🕿	5-1393144-7	1	DPDT	15A @ 30VDC; 15A @ 120VAC	24VDC	650	37	27E488/489	27E895	7.29	6.55	6.35	6.05
282271	KHAU-17A11-120 ₹	2-1393122-0	2	4PDT	3A @ 120VAC/28VDC (max)	120VAC	3,900	11	27E166	27E894	7.15	6.99	6.81	6.66
498013	KHAU-17A18-240 ₹ ♠	4-1393122-0	2	4PDT	3A @ 120VAC/28VDC (max)	240VAC	12,000	6	27E166	27E894	15.29	14.54	12.80	11.26
282301	KHAU-17D11-12 🗷	4-1393122-3	2	4PDT	3A @ 120VAC/28VDC (max)	12VDC	160	100	27E166	27E894	5.69	5.52	5.50	5.45
498048	KHAU-17D11-24 ₹ ♠	4-1393122-4	2	4PDT	3A @ 120VAC/28VDC (max)	12VDC	650	52	27E166	27E894	9.65	9.17	8.07	7.10
282319	KHAU-17D12-24 🕿	5-1393122-7	2	4PDT	5A @ 120VAC/28VDC (max)	24VDC	650	52	27E166	27E894	5.95	5.46	5.43	5.39
282351	KRPA-11AG-24 🗶	1-1393105-2	3	DPDTG	10A @ 240VAC	24VAC	85	84	27E122	27E891	10.79	10.37	10.19	10.01
282343	KRPA-11AG-120 ₹	2-1393104-5	3	DPDT ^G	10A @ 240VAC	120VAC	2,250	17.5	27E122	27E891	11.05	10.80	10.50	10.31
282378	KRPA-11DG-12 ₹ 0	4-1393104-3	3	DPDT ^G	10A @ 240VAC	12VDC	120	100	27E122	27E891	11.29	10.83	10.36	10.15
282386	KRPA-11DG-24 🗶	4-1393104-5	3	DPDTG	10A @ 240VAC	24VDC	472	51	27E122	27E891	12.25	11.65	11.30	10.51
301188	KRPA-14DG-12 ₹	8-1393104-2	3	3PDT	10A @ 240VAC	12VDC	120	100	27E123	27E892	13.95	13.55	13.16	12.21
282423	KRPA-14DG-24 ₹	8-1393104-4	3	3PDT ^G	10A @ 240VAC	24VDC	472	51	27E123	27E892	13.15	11.93	11.85	11.77
301196	KRPA-14DG-48 ₹	8-1393104-5	3	3PDT	10A @ 240VAC	48VDC	1,800	26.6	27E123	27E892	20.35	19.26	18.09	17.01
301209	KRPA-14DG-110 ₹	8-1393104-1	3	3PDT	10A @ 240VAC	110VDC	10,000	11.5	27E123	27E892	14.05	13.40	12.78	12.23
301217	KRPA-14DN-24 ₹	9-1393104-0	3	3PDT ^N	10A @ 240VAC	24VDC	472	51	27E123	27E892	13.75	13.16	12.58	12.51
282458	KUHP-11A51-120 ₹	6-1393114-9	4	DPDT	20A @ 120/240VAC	120VAC	1,700	24	_	_	11.09	10.89	10.85	10.75
499374	KUMP-14A18-12 ₹ ♠	8-1393116-3	5	3PDT	15A @ 277VAC	12VAC	18	230	27E121	27E893	19.55	19.04	18.12	14.69
499526	KUMP-7A58-24 ₹ ♠	9-1393116-7	5	DPST NO	15A @ 277VAC	24VAC	72	115	27E121	27E893	18.75	18.27	17.36	12.84
499534	KUMP-7D58-12♠	8-1393116-9	5	DPST NO	15A @ 277VAC	12VDC	120	100	27E121	27E893	16.05	15.37	14.07	13.64
499585	KUP-11A15-24♠	2-1393117-1	5	DPDT	10A @ 28VDC or 240VAC	24VAC	85	84	27E121	27E893	14.45	13.77	12.61	10.67
499569	KUP-11A15-120♠	1-1393117-9	5	DPDT	10A @ 28VDC or 240VAC	120VAC	2,250	17.5	27E121	27E893	14.45	13.77	12.61	10.67
499796	KUP-11D15-12♠	4-1393117-4	5	DPDT	10A @ 28VDC or 240VAC	12VDC	120	100	27E121	27E893	14.45	13.77	12.61	10.67
499817	KUP-11D15-36♠	4-1393117-6	5	DPDT	10A @ 28VDC or 240VAC	36VDC	1,800	26.7	27E121	27E893	15.35	14.97	14.24	11.55
499788	KUP-11D15-110♠	4-1393117-3	5	DPDT	10A @ 28VDC or 240VAC	110VDC	10,000	11	27E121	27E893	14.45	13.77	12.61	10.67
282482	KUP-14A35-120	8-1393117-7	5	3PDT †	10A @ 28VDC or 240VAC	120VAC	1,700	24	27E121	27E893	13.39	12.46	11.80	11.45

- * For sockets see page 194
- G = Silver-cadmium oxide no lamp
- N = Silver-cadmium oxide with lamp

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

- t = with indicator lamp
- Blue Part No = Limited Quantity Available
- 🕏 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

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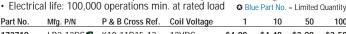


General Purpose Relays

JAMECO ValuePro LB2 Series

• DPDT · Contact rating: 240VAC/30VDC @ 12A

 Mechanical life: 10,000,000 operations • 8-pin



172719 LB2-12DS**₹** K10-11D15-12 12VDC \$4.99 \$4.49 \$3.99 \$3.59 175565 LB2-24DS₹ K10-11D15-24 24VDC 5.99 5.49 4.93 4.49 175572 LB2-110AS T10 K10-11A15-120 110VAC 6.25 4.50 3.37

LB4H Series

Insulation resistance: 1,500MΩ @ 500VDC

Mechanical life: 10,000,000 operations
 4PDT

Contact rating: 240VAC/30VDC @ 5A
 Electrical life: 100 000 operations min

LIECTICA	11116. 100,000	uperations min. a	t rateu ioau				
Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291506	LB4H-12DS⊕	KHAU-17D12-12 ⊙	12VDC	\$4.45	\$4.33	\$4.20	\$4.03
175601	LB4H-24DS⊕	KHAU-17D12-240	24VDC	5.09	4.93	4.77	3.58
175610	LB4H-110AS⊕	KHAU-17A12-120	110VAC	. 4.69	4.22	3.38	3.31

Relay S	Socket	Quantity SAVE	175530 🚄
 DIN rai 	I snap sock	ket for LB2 & L	.B4H relays 🏻 🚂
Part No.	Mfg. P/N	P & B Cross	Ref. Pins
175520	DTF OOA	A 🕮 27F00F	0

 DIN rail 	snap socket f	or LB2 & LB4H	relays		100	
Part No.	Mfg. P/N	P & B Cross Ref.	Pins	1	10	50
175530	PTF-08A-A⊕	27E895	8	\$5.95	\$5.39	\$4.85
175556	PYF-14A-A⊕	27E894	14	3.95	3.35	2.52



Beta Electric General Purpose Relays

Quantity SAVE

Pin Type Terminals

• DPDT • 8-pin octal style plug

 Contact rating: 120/240VAC, 28VDC @ 10A



Part No.	Product No.	NTE Cross Ref.	Coil Voltage 1	10	50
139766	BTA1-2C-12VDC⊕	R02-11D10-12	12VDC\$9.29	\$7.90	\$5.93
139741	BTA1-2C-120VAC ₹	R02-11A10-120	120VAC 9.95	8.79	7.99

BTA1 Series Sockets (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50
141145	PF-083A⊕	8	2.0"L x 1.6"W x 0.8"H \$3.9			
141153	PF-113A⊕	11	2.0"L x 1.7"W x 1.2"H 4.6	55 3	3.95	2.96

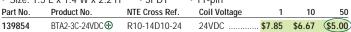
BTA2 Series Quick Connect Blade Terminal

Flat terminals (0.187" x 0.020") for standard plug-in mounting; also accepts quick-connect receptacles or direct soldering.

Contact rating: 120VAC/28VDC @ 13A; 240VAC @ 10A

Ambient operating temperature: -30°C to +50°C

 Size: 1.5"L x 1.4"W x 2.2"H • 3PDT • 11-pin

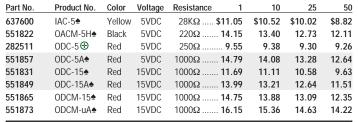




Input/Output Module Relays

Switch form: SPST-NO
 Isolation: 4,000Vrms, 60Hz

Capacitance: 8pF typical (input to output)



To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBModules



Industrial Relays

T7C Series General Purpose

· PCB through hole

Coil magnetic system: monostable

· Nominal coil power: 360mW

Contact material: silver cadmium oxide

Part No.	Product No.	Coil Volt.	Coil Resistance	1	10	25	50
637642	T7CS5D-12 	12VDC	400Ω	\$1.14	\$1.12	\$1.10	\$1.08

S87R Series Low Cost 20A

Nominal power: 4.5W

Coil terminal: located perpendicular to switch terminals

Nominal coil current: 188mA • 0.250" quick connect solder

Material: silver and silver cadmium oxide

· Expected life: 1 million operations, mechanical;

50,000 operations@rated load • Initial breakdown voltage: 1500V_{RMS}, 60Hz

Part No.	Product No.	Coil Volt.	Coil Resistance	1	10	25	50
552788	S87R11D2B1D124	24VDC	12Ω	\$45.19	\$43.07	\$41.02	\$39.07

General Purpose R10-E1Y4 Series

Coil magnetic system: monostable • 3-48 mounting stud, socket

Contact material: fine silver · Termination: solder terminals · Contact form: 4PDT

Contact rating: 3A

· Nominal coil power: 500mW

Part No.	Product No.	Coil Volt.	Coil Resistance	1	10	25	50
552690	R10-E1Y4-V2.5K♠	48VDC	2500Ω \$10	6.45	\$15.70	\$14.65	\$14.21







282191



Relay Sockets for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type 1	10	25	50
282132	27E122⊕	DPDT	8	Standard \$3.95	\$3.80	\$3.66	\$3.57
282159	27E891 ↔	DPDT	8	DIN Rail 4.55	4.33	4.16	3.83
282141	27E123⊕	3PDT	11	Standard 4.55	4.36	4.18	3.90

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type 1	10	25	50
282183	27E894⊕	4PDT	14	DIN Rail \$6.95	\$6.68	\$6.41	\$5.92

Relay Sockets for KUP Series (11-blade square)

Part No.	Product No.	Contact Arr.	Pins	Туре	1	10	25	50
282124	27E121⊕	3PDT	11	Standard	\$5.85	\$5.62	\$5.40	\$4.98

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Туре	1	10	25	50
282191	27E895 ⊕	DPDT	8	DIN Rail	\$4.69	\$4.51	\$4.33	\$4.06

To Find Additional P&B Sockets, Visit Our Website at www.Jameco.com/Prod/PBRelaySockets

Mounting Boards for Input/Output Module

210 Series

LED status indicators, plug-in fuses and pull-up resistors

Screw terminal logic connections

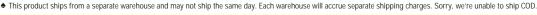
Screw terminals for field wiring

UL recognized/CSA certified for 125V max. w/ 5A fuses: 250V max w/ #22 AWG solid copper jumper wires

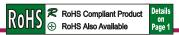
Part No.	Product No.	I/O channels	Module Positions	1	10	25	50
497109	2IO4A ◆	4	4	\$37.45	\$34.27	\$32.36	\$31.10
497117	2IO4B ◆	4	4	. 37.45	34.27	32.36	31.10
497125	21O4C ◆	4	4	. 37.69	35.89	34.17	32.53

Save Big! Special Values!

New Lower Prices = Orange Exceptional Quantity Discounts = Green







CDB Series CMOS IC Time Delay Relay

- Initial dielectric strength: between open contacts 500V_{RMS}, 60Hz; between other contacts – 500V_{RMS}, 60Hz
- Timing ranges: 0.1 seconds to 180 seconds
- Timing adjustment: knob type DPDT
- Release and recycle time: 45ms typical; 60ms max.
- Contact material: silver-cadmium oxide alloy
- · Contact rating: 10A @ 30VDC or 277VAC resistive Electrical life: 10,000 operations min. @ rated load

Power requirement: AC or DC – typically less than 3W

Part No.	Product No.	Voltage	Time (sec)	Pins	1	10	25
497299	CDB-38-70004	120VAC	0.6 - 60	8	\$246.09	\$234.39	\$223.23



CNM5 Series Multi-Function Time Delay Relay

- DPDT For plug-in or panel mount
- Digital adjustment via thumbwheel switches
- Timing ranges: 0.1 99.9/1 to 999 seconds; 0.1 99.9/1 to 999 minutes; 0.1 – 99.9/1 – 999/10 – 9,990 hours
- · Reset time (power interruption): 45ms typical; 60ms max.
- Initial dielectric strength: between output poles 1500V_{RMS}, 60Hz; between input and output – 1500V_{RMS}, 60Hz
- · Contact material: silver-cadmium oxide alloy
- Contact rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 100,000 operation min. @ rated load
- Transient protection: 13 joules MOV 1/16 black plastic case

Power requirement: 3W @ 120VAC

Part No.	Product No.	Voltage	Pins	1	10	25
497344	CNM5	120VAC	11	\$82.29	\$78.39	\$74.66



CNS Series Multifunction Time Delay Relays

282212

- DPDT Rating: 10A @ 30VDC or 277VAC
- Electrical life: 100,000 operations at rated load
- Dielectric strength: 1,000V_{RMS}, 60Hz between open contacts; 1,500Vrms, 60Hz between all other conductors

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 25VAC/VDC

Part No.	Product No.	Voltage	Functions	Pins	1	10	25
497352	CNS-35-72	120VAC	4	8	\$82.85	\$78.91	\$75.16
282212	CNS-35-92⊕	24-240VAC/VD	C 4	8	67.89	62.23	56.57
282221	CNS-35-96 ⊕	24-240VAC/VD	C 8	11	79.05	75.46	71.87



CNT Series Multifunction, Digital Time Delay Relay/Counter

- · Digital adjustment via thumbwheel switches
- Maximum count: 1 to 999; 10 to 9,990; 100 to 99,900
- Maximum count rate: 100 counts per second
 DPDT
- · Rating: 10A @ 30VDC or 277VAC resistive • 11-pin octal style plug
- Electrical life: 100,000 operations min. at rated load
- Dielectric strength: 1,000V_{RMS}, 60Hz between open contacts;

1,500V_{RMS} between all other contacts Power requirement: 10W @ 240VAC/VDC: 5W @ 120VAC/VDC: 1W @ 24VAC/VDC

	94 00	- 210111011201011 - 120111011201		.0,
Part No.	Product No.	Voltage 1	10	25
497432	CNT-35-26♠	120VAC\$98.85	\$86.96	\$80.43
282239	CNT-35-96⊕ ⊙	24-240VAC/VDC 103.95	100.20	98.23



Dry Contact & Mechanical **Relay Output Module**

- · Contact arrangement: SPST NO
- · Max. current rating: 10W
- Min. drop-out voltage: 2.5VDC • Max. contact resistance: 250m Ω
- Max. off-state leakage current: 0.002mA
 Nominal logic voltage: 5Vcc
- UL. CSA certified
- 1500VAC optical isolation
- · Built-in status LED · Max. rev. logic voltage: -5VDC

Part No.	Product No.	Max. Logic Supply Current		Nom. Input Resistance		10	25
4/0450	7014 0000	10 1 10	01/00/4001/40	500	***	640.00	640.07

469458 70M-ODC5R 10mA 100VDC/120VAC 50Ω \$20.05 \$19.02 \$18.07 ♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CS Series Solid State Hybrid Voltage Sensors

- Power requirements: typically less than 3W
- Continuous duty cycle
- · Internal contact arrangement: DPDT
- Internal relay contact rating: 10A @ 28VDC resistive; or 120VAC
- · Reverse polarity protection on DC types
- · 8-pin octal style plug, plastic dust cover

Fixed pick-up and adjustable drop-out



		Pick-up	Drop-out	Max.			
Part No.	Product No.		Voltage		1	10	25
497491	CSJ-38-71010	105	90-103	140VAC	\$173.99	\$165.70	\$157.81

Adjustable pick-up and adjustable drop-out

Part No.	Product No.		Drop-out Voltage		1	10	25
497504	CSL-38-30010	20-30	18-28	32VDC	\$189.09	\$179.65	\$170.67



DC Input Module

- · Fast switching polarized input types
- UL/CSA/CE certified Optical isolation
- Output current range: 1 50 mA
- Min. output breakdown voltage: 50VDC
- Isolation voltage: 4000V_{RMS}
- Max. input voltage: 32VDC
- Max. pick-up voltage: 3VDC Max. drop-out voltage: 1VDC
- Input current @ max. input voltage: 18mA Nominal logic voltage: 5
- Max. logic supply current @ nominal Vcc: 10mA

Part No.	Product No.	Input Voltage Range	Resistance	1	10	25
469423	70M-IDC5♠	3-32VDC	1.8kΩ	\$8.59	\$8.15	\$7.74



DC Output Modules

- · Transient protection: meets the requirements of IEEE-472 "Surge Withstanding Capability Test"
- Contact arrangement: SPST NO
- Load current range: STD-70 series 0.02 to 3.5A; UL/CSA/CE certified
- Mini 70M series 0.02 to 3A
- Nominal logic voltage: 5Vcc
- Surge current for 1 second: 5A
- · Optical isolation
- Isolation voltage: 4000V_{RMS}
- Max. reverse logic voltage: -5VDC Min. drop-out voltage: 1VDC

Max. Logic Max. Line Clamping Sunnly Current Valtage

raitivo.	FIUUUCI NO. Ju	ppry current	voitage	voitage		10	23
469431	70M-ODC5♠	14mA	60VDC	80VDC	\$11.59	\$11.00	\$10.45
469440	70M-ODC5A♠	18mA	200VDC	360VDC	19.49	18.52	17.59
469466	70-ODC5 ◆	14mA	60VDC	80VDC	11.59	11.00	10.45

See Complete Grayhill I/O Modules Offering at www.Jameco.com/Prod/GrayhillModules

Series IDC DC Input Modules

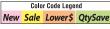
- · Nominal input voltage: 24VDC
- Input voltage range: 10 36VDC
- Max. input current: 16mADC
- Nominal logic voltage: 5VDC
- Logic voltage range: 1.5 6VDC
- Typical logic supply current: 10mADC
- Max. logic supply current: 18mADC
- Max. output voltage: 30VDC
- Isolation: 4000V_{RMS}
- · Max. output current: 50mADC UL/CSA/CE approved

Part No. Product No. Description 479533 IDC5BQ ♠ Quad DC input module \$51.35 \$40.90 \$38.72 \$36.78 479550 IDC5O ♠ Quad DC input module 44.55 42.33 40.31 38.37 479541 IDC5D ♠ Dual DC input module 8.15 5.90 6.50

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🗷 RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





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Product No.	Current Rating	1	10	50	100
35-2104 ♠	4A @ 125/250VAC .	\$4.75	\$3.69	\$3.49	\$3.29
35-2105	5A @ 125/250VAC .	4.75	3.69	3.49	3.29
35-2106 ♠	6A @ 125/250VAC .	4.75	3.69	3.49	3.29
35-2107	7A @ 125/250VAC .	4.75	3.69	3.49	3.29
35-2018	8A @ 125/250VAC .	4.75	3.69	3.49	3.29
35-2110	10A @ 125/250VAC	4.75	3.69	3.49	3.29
35-2112 ♠	12A @ 125/250VAC	4.75	3.69	3.49	3.29
35-2115	15A @ 125/250VAC	4.75	3.69	3.49	3.29
35-2120	20A @ 125/250VAC	4.75	3.69	3.49	3.29
35-2125 ♠	25A @ 125/250VAC	4.75	3.69	3.49	3.29
35-2130 ♠	30A @ 125/250VAC	4.75	3.69	3.49	3.29
	Product No. 35-2104 ★ 35-2105 35-2106 ★ 35-2107 35-2018 35-2110 35-2112 ★ 35-2115 35-2120 35-2125 ★	Product No. Current Rating 35-2104 ★ 4A @ 125/250VAC 35-2105 5A @ 125/250VAC 35-2106 ★ 6A @ 125/250VAC 35-2107 7A @ 125/250VAC 35-2018 8A @ 125/250VAC 35-2110 10A @ 125/250VAC 35-2112 ★ 12A @ 125/250VAC 35-2115 15A @ 125/250VAC 35-2120 20A @ 125/250VAC 35-2125 ★ 25A @ 125/250VAC	Product No. Current Rating 1 35-2104 ★ 4A @ 125/250VAC \$4.75 35-2105 5A @ 125/250VAC 4.75 35-2106 ★ 6A @ 125/250VAC 4.75 35-2107 7A @ 125/250VAC 4.75 35-2018 8A @ 125/250VAC 4.75 35-2110 10A @ 125/250VAC 4.75 35-2112 ★ 12A @ 125/250VAC 4.75 35-2115 15A @ 125/250VAC 4.75 35-2120 20A @ 125/250VAC 4.75 35-2125 ★ 25A @ 125/250VAC 4.75	Product No. Current Rating 1 10 35-2104 ★ 4A @ 125/250VAC \$4.75 \$3.69 35-2105 5A @ 125/250VAC 4.75 3.69 35-2106 ★ 6A @ 125/250VAC 4.75 3.69 35-2107 7A @ 125/250VAC 4.75 3.69 35-2018 8A @ 125/250VAC 4.75 3.69 35-2110 10A @ 125/250VAC 4.75 3.69 35-2112 ★ 12A @ 125/250VAC 4.75 3.69 35-2112 ★ 15A @ 125/250VAC 4.75 3.69 35-2115 15A @ 125/250VAC 4.75 3.69 35-2120 20A @ 125/250VAC 4.75 3.69 35-2125 ★ 25A @ 125/250VAC 4.75 3.69	35-2104 ★ 4A @ 125/250VAC \$4.75 \$3.69 \$3.49 35-2105 5A @ 125/250VAC 4.75 3.69 3.49 35-2106 ★ 6A @ 125/250VAC 4.75 3.69 3.49 35-2107 7A @ 125/250VAC 4.75 3.69 3.49 35-2018 8A @ 125/250VAC 4.75 3.69 3.49 35-2110 10A @ 125/250VAC 4.75 3.69 3.49 35-2112 ★ 12A @ 125/250VAC 4.75 3.69 3.49 35-2115 15A @ 125/250VAC 4.75 3.69 3.49 35-2120 20A @ 125/250VAC 4.75 3.69 3.49 35-2125 ★ 25A @ 125/250VAC 4.75 3.69 3.49

54 Littelluse **Universal Circuit Breakers**

Function identically as OEM breakers but offer the versatility of snap off terminals for greater flexibility. SAE Type II modified reset used primarily as a wiring harness protector in 12 volt DC automotive systems. Conforms to SAE J553C standard. For mounting in ATO style fuse blocks and panels.

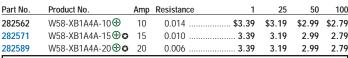
Part No.	Product No.	Amp Rating	1	10	25	50
638194	UCB15BP♠	15	\$5.99	\$5.69	\$5.39	\$5.09
638207	UCB20BP♣	20	5.99	5.69	5.39	5.09
638215	UCB30BP♠	30	5.99	5.69	5.39	5.09

To Find Additional Littelfuse Breakers, Visit Our Website at www.Jameco.com/Prod/LittelFuse

W58 Series Thermal Circuit Breakers

- Max. operating voltage: 50VDC; 250VAC 50/60Hz
- Interrupt capacity: 2,000A @ 50VDC; 1,000A @ 250VAC 50/60Hz
- Endurance cycling: >1,000 operations @ 200% of rating
- Dielectric strength: >1,500V_{RMS}
- · Push button to reset breaker

Blue Part No. = Limited Quantity Available



See Complete P&B Breaker Offering at www.Jameco.com/Prod/PBBreakers



Auxiliary Modules

Thermal Circuit Breakers

W23/W33 Series Toggle or Push/Pull Actuator

- 0.5 to 50 amp ratings may be used as on/off switch
- · Cannot be reset against overload
- Max. operating voltage: 50VDC or 250VAC to 400Hz
- Dielectric strength: over 1500V_{RMS}

RPC Series

W28 Series Switchable or Push to Reset

- · Rocker on switchable model moves to "overload" position upon trip Approved to many international standards (push to reset type)
- Max. operating voltage: 32VDC, 250VAC to 50/60Hz
- Dielectric strength: over 1500V_{RMS} · Fuseholder type

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Breaker Offering at www.Jameco.com/Prod/PBBreakers

Power Modules

L3/L5/L6 Series SCR/Diode Module

M50 Series SCR/Diode Module

M50 Diode Series Diode Module

Low profile

• 60-100 amp • High surge current rectifier circuits



25-42.5 amp

25-105 amp

15-42.5 amp

50-100 amp



· Power control building blocks

· Over 40kW output capability

M50 Series

B-2T/B-2 Series SCR/Diode Module CPV Series Phase Control Module

 120 & 240VAC models 0-5VDC phase control • For AC/DC voltage to 15kW F18 Series SCR/Diode Module

LPCV Series

LPCV Series Linear Proportional Load Controller

PCV Series

• 0-5VDC, 0-10VDC, 4-20mA input control modules · Optically isolated

PCV Series Analog Input Power Controller

- SCR output
- 15-90 Amp
- 100-240V_{RMS} AC proportional output
- 2-7VDC and 2-10VDC

RPC Series Solid State Proportional Controller

• 15-40 Amp SCR output

- 120/240/480V_{RMS} AC proportional output • 500k or $1M\Omega$ potentiometer control

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Auxiliary Modules Offering at www.Jameco.com/Prod/CrydomAux

OMRON G7L Series Power Relay

Rating: 24VDC @ 79mA

Sorry, we're unable to ship COD.

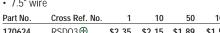
- · Contact rating: 20A-220VAC
- Coil resistance: 303Ω
- Contact resistance: 50mΩ max.
- · 0.250" guick connect terminals
- · Insulation resistance:

196

- $1,000M\Omega$ min. (@500VDC)
- Dielectric withstanding voltage: 5,000VAC for one minute between contacts and coil, 2000VAC between contacts of same polarity · SPST-NO

Part No. Product No. 50 454571 G7L-1A-TUB-CB-DC24 ... \$9.95 \$8.95 \$8.05





Relay Socket with Coil Diode

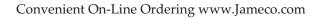
VF4 Type

- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire
- Contact voltage/current: 12V/20A
- Use with P/N 148582, pg 197
- · Diode coil suppression
- 7.5" wire

170624 RSD03⊕ \$2.35 \$2.15 \$1.89



📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. See Complete Power Module Offering at www.Jameco.com/Prod/CrydomPower



Power PC Board Relays



T92 Series

W33 Series

W28 Series

Color Code Legend Sale Lower\$ QtySave

T9A Series T90 Series T9A Series DC Coil

- Up to 30 amp switching in SPST & 20 amp in SPDT arrangements Voltage: 5 to 110VDC
- Nominal coil power: 1.0W or 900mW (approx.)
- Maximum coil power: 2.8W

T90 Series DC Coil

- Up to 30 amp switching in SPST & 20 amp in SPDT arrangements Voltage: 5 to 110VDC
- Maximum coil power: 2.8W

T92 Series DC Coil

- 30A DPST-NO and DPDT switching capabilities
- Designed to control compressor loads to 3.5 tons, 25.3 FLA, 110 LRA
- Voltage: 12-110VDC & 12 to 277VAC

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See Complete P&B Power PC Relays Offering at www.Jameco.com/Prod/PBPowerPCB

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.



crydom

Solid State Relays

Series SDV/SDI Solid State

- Operating voltage range: 12 128V_{RMS}
- Insulation resistance (min.) @ 500VDC: 10°Ω
- · Max. capacitance, input-output: 2pF Load current range: 0.025 – 1.5A_{RMS}
- Transient over voltage: 600Vpk
- Max. surge current: 30Apk
- SDV Series:
- Control voltage range: 3.5 10VDC
- Typical input current @ 5VDC: 15mADC
- Must turn-on voltage: 3.5VDC

SDI series:

- Control current range: 10 35mA
- Must turn-on current: 10mA
- Dielectric strength: 3750V_{RMS}
- Nominal input impedance: 270Ω

Lower \$\$\$

· Must turn-off voltage: 1VDC

· Must turn-off current: 1mA

Part No.	Product No.	Description 1	10	50	100
480913	SDV2415 ♠	0 voltage relay \$7.96	\$7.75	\$7.29	\$6.99
480921	SDV2415R ♠	Random voltage relay 9.95	8.75	7.53	7.35
480892	SDI2415 ♠	0 voltage relay 9.95	8.75	7.53	7.35
480905	SDI2415R ◆	Random voltage relay 8.09	7.65	7.29	7.09

To Find Additional Products, Visit Our Website at www.Jameco.com/Prod/CrydomSSPCBS

Series 3 AC output Solid State

- Control voltage range: 3.5 8VDC
 Nominal input impedance: 200Ω
- Typical input current @ 5VDC
- Output operating voltage range: 20 140V_{RMS}
- Load current range: 0.15 3.0A_{RMS}
- Transient over voltage: 600Vpk
- Max. surge current: 55Apk Dielectric strength: 4000V_{RMS}
- · Max. capacitance: 8pF UL/CSA/VDE approved
- Insulation resistance (min.) @ 500VDC: 10°Ω

Part No.	Product No.	Description	1	10	50	100
480876	S3012A ◆	AC output relay w/ snubber	\$21.19	\$21.07	\$19.99	\$19.78

Series T Quad Solid State

- · Triac output
- Industry standard package
- · Random turn-on, phase controllable
- · Max. turn-on voltage: 4VDC
- Nominal input impedance: 330Ω
- · Max. capacitance input/output: 10pF
- Insulation resistance (min.) @ 500VDC: 10°Ω

		Op. Voltage	Max. Load				
Part No.	Product No.	(V _{RMS})	Current (A _{RMS})	1	10	50	100
481019	TD2420Q-10 ♠	24-280	0.15-20 \$84.5	5	\$81.59	\$79.29	\$72.09

To Find Additional Products, Visit Our Website at www.Jameco.com/Prod/CrydomPanelSS

crydom

Solid State Relays (Continued) Lower \$5\$

Series T Solid State

- · Zero voltage switching
- Internal snubber
- · Triac output

· Panel mount

- · Dielectric strength 50/60Hz input/output/base: 4000V_{RMS}
- Insulation resistance (min.) @ 500VDC: 10°Ω
- Max. capacitance input/output: 8pF
- Encapsulation: Thermally conductive epoxy
- · Terminals: screws and saddle clamps
- 600V transient capability

DC control input specifications:

- Control voltage range: 3-32VDC Max. reverse voltage: -32VDC Max. turn-on voltage: 3VDC · Min. turn-off voltage: 1VDC
- Nominal input impedance: 1500Ω
- Typical input current: 3mA @ 5VDC; 20mA @ 28VDC

AC control input specifications:

- Control voltage range: 90-280V_{RMS} (60Hz) Max. turn-on voltage: 90V_{RMS}
- Nominal input impedance: $60k\Omega$ Min. turn-off voltage: 10V_{RMS}
- Typical input current: 20mA @ 120V_{RMS}; 4mA @ 240V_{RMS}

On Voltage

DC Control

		op. voltage	IVIAX. LUAU			
Part No.	Product No.	(V _{RMS})	Current (A _{RMS}) 1	10	50	100
480972	TD1210 ♠	24-140	10 \$26.49	\$25.19	\$24.09	\$23.39
480981	TD1210B ♠	24-140	10 31.9 9	29.99	27.59	25.99
480999	TD1225 ♠	24-140	25 27.59	26.29	25.09	24.19
481001	TD2410 ♠	24-280	10 27.2 9	26.59	26.09	23.78
481027	TD2425 ♠	24-280	250 27.49	26.29	25.99	25.49
481035	TD2425B ♠	24-280	25 32.5 5	29.78	28.27	26.88

AC Control

		op. voitage	WIGH. LOUG				
Part No.	Product No.	(V _{RMS})	Current (ARMS)	1	10	50	100
480956	TA2410 ♠	24-280	10	\$28.39	\$27.99	\$27.59	\$26.69
480964	TA2425 ♠	24-280	25	29.39	28.09	27.59	27.19

Max Load

To Find Additional Products, Visit Our Website at www.Jameco.com/Prod/CrydomPanelSS

T9A Series Relay

- Low Cost PC Board or Panel Mount Only
- · Contact form: SPDT · Contact current: 20A/10A
- 5-pin · Coil voltage: 12VDC Contact volt.: 240VAC/28VDC • Coil: 155Ω
- Terminal type: 0.1" disconnect (2);

	disconnect (3)	
Part No.	Cross Ref. No.	P & B Cross

Part No.	Cross Ref. No.	P & B Cross Ref.	Dimensions (LxWxH)	1	10	50	100
137358	953-IC-12DM ₹	T9AS5D52-12	2.0" x 1.6" x 1.8" \$	2.55	\$2.45	\$2.19	\$1.75

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

Contact Coil

Form

SPST-NO i

SPST-NO

SPDT

SPDT

Ohms

90

14

78

· Panel mount

Dielectric strength: 2500V_{RMS}

· Min. turn-off voltage: 1VDC

• Control voltage range: 4-15VDC

Typical input current: 12mA @ 5VDC

VF4 Type

Part No.

171459

171442

171521

148582

171432

- · Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Coil voltage: 12VDC except P/N 171521 (5VDC)
- Normally open (NO), normally closed (NC)

961A-1C-12DM⊕ VF4-81F11

- Dimensions: 1.1"L x 1.1"W x 1.0"H
- Blue Part No. = Limited Quantity Available Cross Ref. No.

LD1A-12F ⊕

I D5F⊕

LD12F⊕o

961A-1A12D**渘**



Contact

Schematic

2



Contact

Voltage

14VDC

14VDC

5VDC

12VDC

12VDC



(Fig. 1)

Pins

4

4

5

5

\$1.99

2.35

1.79

2.49



(Fig. 2)

\$1.84

2.20

1.43

2.25

2.69

Pricing

10





(Fig. 3)

100

\$1.39

2.09

1.09

1.75

50

\$1.63

2.14

1.19

1.95

2.25

· Contact form: SPST-NO · Coil voltage: 12VDC Coil: 1050Ω · Contact voltage:

4-pin

120VAC/60VDC

· Manufacturer: Bestar

- · Contact current: 0.1A · Dielectric strength: 1500VDC
- (between contact and coil) Operating temperature: -30°C to +60°C
- · Terminal type: PCB solder
- Dimensions: 1.0"L x .37"W x .38"H

Part No.	Cross Ref. No.	1	10	50	100
111448	RC108T	\$1.15	\$1.03	\$.93	\$.86

Reed Type Relay

We're Listening to Your Requests

P&B Cross

VF4-81F11S01

VF4-11F11

VF4-45D11

VF4-85F11

Fig.

3

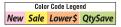
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Ref. No.

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product 😁 This product is available in both ROHS and non-RoHS versions. Add an "R" before part number for ROHS version.





RoHS Compliant Product RoHS Also Available



DC/AC and DC/DC Solid State Relays

- · Screw terminal with hardware
- · Photo isolation
- · Metal mounting base

· Zero crossing

















153058 187004 192815 176698 **Quantity SAVE** Lower \$\$\$ (Fig. 1) (Fig. 2) (Fig. 3) (Fig. 4) (Fig. 5) (Fig. 6) (Fig. 7) (Fig. 8)

			Control		Contact Contact Terminal		Agency	Size	Pricing							
Part No.	Product No.	Mfr.	Voltage	Туре	Style	Voltage	Current	rrent Pins Fig.		Туре	Approval	L" x W" x H"	1	10	50	100
						Solid	l State	Relay	s DC	C/AC Type						
164988 S101S02 Sharp 1.2VDC@20mA DC/AC SPST 125VAC 1.5A 4 1 Solder Lead												0.9 x .16 x .63	\$3.95	\$3.49	\$2.95	\$2.25
164996	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	5.45	4.89	3.92	2.94
153058	KSD203AC2⊕	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	_	1.4 x 0.3 x 0.9	9.95	8.95	7.95	7.25
162342	ESR51024-010 ₹	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.95	14.39	12.95	11.65
162369	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	21.95	19.79	17.79	16.05
162406	ESR51024-0407	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	22.99	20.69	18.69	16.79
105081	615-8500 ♣	Teledyne	5-10VDC	DC/AC	SPST	250VAC	10A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.99	14.39	12.99	11.69
192815	KSD240AC8⊕	COSMO	4-32VDC	DC/AC	SPST	250VDC	40A	4	4	Screw Terminal	_	1.8 x 0.6 x 2.3	20.05	18.03	16.23	14.61
175214	KB20C02A⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder Lead	_	1.4 x 0.3 x 1.5	5.95	5.69	5.32	5.05
127790	D2W202F ⊕	Crydom	3-32VDC	DC/AC	SPST	280VAC	2A	4	6	Solder Lead	UL/CSA	1.7 x 0.4 x 1.3	7.19	6.75	6.73	6.71
176698	KB20C06A⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder Lead	_	1.4 x 0.3 x 0.9	9.99	8.99	7.99	7.19
176719	KD20C40AX⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	7	Screw Terminal	— 1.7 x 0.9 x 2.3		19.99	17.99	16.19	14.59
176735	KD20C75AX⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	7	Screw Terminal	_	1.7 x 0.9 x 2.3	44.39	39.95	31.96	23.97
186992	G3NA-210B-DC5-24 ↔	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	8	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25
187004	G3NA-220B-DC5-24 ↔	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	8	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	19.95	17.95	15.59	13.24
						Solid	l State	Relay	rs DC	C/DC Type						
172591	KF0602D ⊕	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder Lead		1.4 x 0.3 x 0.9	\$9.95	\$8.95	\$7.95	\$6.95
175222	KF0604D ⊕	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder Lead	_	1.5 x 0.3 x 0.9	11.95	11.25	10.25	9.22
176647	KG1005D ↔	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	7	Screw Terminal	_	2.3 x 1.7 x 0.9	26.99	24.29	21.79	19.59
176655	KG1010D⊕ Kyoto 3-32VDC DC/DC SPST 120VDC 10A 4 7		Screw Terminal	_	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89							

♣ Pull = Extra Savings

- · Logic control levels
- · Long life with reliable operation
- Moisture resistant
- Compatible with IC sockets
- Compact design/construction

Excellent for PCB applications



106462



99901















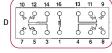














				Contact	Coll	Coll		Contact		Jameco	Size	Leads		Pric	ing	
Part No.	Product No.	Manufacturer	Fig.	Form	Voltage i	Ohms	Contact Voltage	Current	Pins	Socket	L x W x H (in.)	A x B x C (in.)	1	10	50	100
106462	201A05 ⊕	Excel Cell Elect.	3A	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	.78 x .25 x .20	.10 x .40 x .30	\$2.15	\$1.81	\$1.52	\$1.25
138431	2D1A05 ₹	Excel Cell Elect.	3B	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	.77 x .30 x .22	.10 x .40 x .30	2.29	1.95	1.65	1.34
215896	OJE-SS-109LMF ©	OEG	1E	SPST-NO	9VDC	400	250VAC/30VDC	3A/3A	4	_	.71 x .39 x .57	.50 x .60 x .30	2.29	1.95	1.69	1.39
106472	201A12 	Excel Cell Elect.	3A	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	.78 x .25 x .20	.10 x .40 x .30	2.29	1.95	1.65	1.24
138449	2D1A1200 ₹	Excel Cell Elect.	3B	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	.77 x .30 x .22	.10 x .40 x .30	2.25	1.95	1.75	1.49
139977	RSB5S⊕	Shin Mei	1C	DPDT	5VDC •	125	120VAC/30VDC	1A/2A	8	37372	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99311	DS2Y-S-DC12V	Aromat (NAIS)	1C	DPDT	12VDC	720	110VAC/30VDC	.3A/1A	8	37372	.79 x .40 x .43	.20 x .40 x .30	2.49	2.31	2.05	1.75
99901	LX200D00	Clare	1C	DPDT	12VDC	720	125VAC/100VDC	2A	8	37372	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
99320	MR62-245B ⊙	NEC	1C	DPDT	24VDC	1110	125VAC/100VDC	2A	8	37372	.79 x .40 x .43	.20 x .40 x .30	2.95	2.69	2.39	2.15
136549	DS4E-M-DC5V	Aromat	2D	4PDT	5VDC	62.5	125VAC/30VDC	.6A/2A	14	112299	1.40 x .40 x .36	.20 x .30 x .30	5.49	4.95	4.45	4.05
176313	DS4E-M-DC12V	Aromat	2D	4PDT	12VDC	360	125VAC/30VDC	.6A/2A	14	112299	1.40 x .40 x .36	.20 x .30 x .30	5.79	5.21	4.77	4.32

Panasonic[®]

AGO Series Low Signal Relay

Signal Relays



For more Panasonic Relays visit www.Jameco.com

AGU Serie	es Low Signal Re	aay											
			Contact	Coil Volt.	Coil Resist.	Coil Curr.	Contact F	Rating (A)		Dimensions		Pricing	
Part No.	Product No.	Fig.	Form	(VDC)	(Ohms)	(mA)	30VDC	125VAC	Pins	(L" x W" x H")	1	25	50
760341	AGQ2004H ♣	1A	DPDT	4.5	145	31	1.0	0.3	8	0.42 x 0.28 x 0.21	\$2.99	\$2.95	\$2.67
AGQ Seri	AGQ Series Low Signal Relays (SMD)												
760368	AGQ200A03 ₹♠	2B	DPDT	3	64.2	46.7	1.0	0.3	8	0.42 x 0.28 x 0.21	\$4.59	\$4.25	\$4.09
842540	AGQ200A12 ₹ ♠	2B ¦	DPDT	12	1028	11.7	1.0	0.3	8	0.42 x 0.28 x 0.21	3.15	3.09	2.77

AGN Series Compact Low Signal Relay

842494	AGN2004H ♠	3A	DPDT	4.5	145	31	1.0	0.3	8	0.42 x 0.22 x 0.35	\$2.59	\$2.55	\$2.48
AGN Ser	ies Compact Low	Sig	nal Re	lays (S	MD)								
760325	AGN200A03 ₹♠	4B	DPDT	3	64.2	46.7	1.0	0.3	8	0.42 x 0.22 x 0.35	\$3.39	\$3.12	\$2.77
842523	AGN200A4H ♠	4B	DPDT	4.5	145	31	1.0	0.3	8	0.42 x 0.22 x 0.35	2.89	2.75	2.61

4B DPDT 4.5 145 31 | 1.0 | 0.3 | 8 | 0.42 x 0.22 x 0.35 | **2.89** | **2.75** | **2.61** This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.







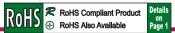






🗷 RoHS compliant product 🕒 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





Panasonic®

Signal Relays (Continued) NEW





















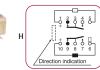






Fig. 10













Fig. 13

For more Panasonic Relays







DS Series	Ceries Low Signal Relays (High Sensitivity & Standard Coils) Contact Coil Volt. Coil Resist., Coil Curr. Contact Rating (A)									V	sit <u>www.J</u>	ameco.co	<u>m</u>
			Contact	Coil Volt.	Coil Resist.	Coil Curr.	Contact F	Rating (A)		Dimensions		Pricing	
Part No.	Product No.	Fig.	Form	(VDC)	(Ohms)	(mA)	30VDC	125VAC	Pins	(L" x W" x H")	1	25	50
760616	DS1E-S-DC5V♠	5C	SPDT	5	125	_	2.0	2.0	5	0.59 x 0.39 x 0.3	\$5.95	\$5.85	\$5.19
760595	DS1E-S-DC12V♠	5C	SPDT	12	720	_	2.0	2.0	5	0.59 x 0.39 x 0.3	5.95	5.85	5.19
842953	DS2E-S-DC5V♠	6D	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.3	3.69	3.39	3.19
760691	DS2E-S-DC9V♠	6D	DPDT	9	405	-	2.0	2.0	8	0.79 x 0.39 x 0.3	4.09	3.78	3.35
842902	DS2E-S-DC12V♠	6D	DPDT	12	720	16.6	2.0	2.0	8	0.79 x 0.39 x 0.3	3.69	3.39	3.19
842937	DS2E-S-DC24V ₹♠	6D	DPDT	24	2880	8.3	2.0	2.0	8	0.79 x 0.39 x 0.3	3.69	3.39	3.19
760675	DS2E-S-DC48V♠	6D	DPDT	48	11520	4.1	2.0	2.0	8	0.79 x 0.39 x 0.3	4.95	4.89	4.35
843041	DS4E-S-DC12V♠	7E	4PDT	12	720	i —	2.0	2.0	14	1.39 x 0.39 x 0.3	7.09	6.79	6.19
842734	DS1E-M-DC12V♠	6C	SPDT	12	360	¦ –	2.0	2.0	5	0.59 x 0.39 x 0.3	4.19	3.79	3.47
842769	DS1E-M-DC24V ₹♠	6C	SPDT	24	1440	! —	2.0	2.0	5	0.59 x 0.39 x 0.3	4.19	3.99	3.79
842849	DS2E-M-DC5V ₹ ♠	6D	DPDT	5	62.5	80	2.0	2.0	8	0.79 x 0.39 x 0.3	2.95	2.89	2.58
842793	DS2E-M-DC12V♠	6D	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.3	2.95	2.89	2.58
760659	DS2E-M-DC12V ₹♠	6D	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.3	2.95	2.89	2.58
760632	DS2E-M-DC12V-R◆*	6D	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.3	2.95	2.89	2.58
842814	DS2E-M-DC24V♠	6D	DPDT	24	1440	16.6	2.0	2.0	8	0.79 x 0.39 x 0.3	2.95	2.89	2.58

*Reverse polarity

TQ Series	Low	Sianal	Rela	VS

761563	TQ2-3V ₹ ♠	8F	DPDT	3	64.3	46.7	1.0	0.5	10	0.55 x 0.35 x 0.20	\$2.49	\$2.29	\$2.05
761580	TQ2-4.5V ♠	8F	DPDT	4.5	144	31.1	1.0	0.5	10	0.55 x 0.35 x 0.20	2.39	2.29	2.05
761601	TQ2-5V ₹ ♠	8F	DPDT	5	178	28.1	1.0	0.5	10	0.55 x 0.35 x 0.20	2.45	2.29	2.15
761627	TQ2-6V♠	8F	DPDT	6	257	23.3	1.0	0.5	10	0.55 x 0.35 x 0.20	2.65	2.45	2.15
761643	TQ2-9V ₹ ♠	8F	DPDT	9	579	15.5	1.0	0.5	10	0.55 x 0.35 x 0.20	2.49	2.29	2.05
843471	TQ2-24V ♠	8F	DPDT	24	2880	8.3	1.0	0.5	10	0.55 x 0.35 x 0.20	2.85	2.75	2.45
761766	TQ2SA-3V ₹♠	9G	DPDT	3	64.3	46.7	2.0	0.5	10	0.55 x 0.35 x 0.20	2.85	2.65	2.35
761782	TQ2SA-4.5V♠	9G	DPDT	4.5	145	31.3	2.0	0.5	10	0.55 x 0.35 x 0.20	2.85	2.65	2.35
843542	TQ2SA-5V♠	9G	DPDT	5	178	28.1	2.0	0.5	10	0.55 x 0.35 x 0.20	2.85	2.59	2.35
843500	TQ2SA-12V ₹ ♠	9G	DPDT	12	1028	11.7	2.0	0.5	10	0.55 x 0.35 x 0.20	2.69	2.59	2.35
843526	TQ2SA-24V ₹♠	9G	DPDT	24	2880	8.3	2.0	0.5	10	0.55 x 0.35 x 0.20	2.59	2.55	2.49
761803	TQSS-5V♠	10G	DPDT	5	178	28.1	2.0	0.5	10	0.55 x 0.35 x 0.20	2.75	2.49	2.29
										-			

TQ Series Dual Coil Latching Relays

761707	TQ2-L2-3V ₹ ♠	8H	DPDT	3	45	66.7	1.0	0.5	10	0.55 x 0.35 x 0.20	\$3.15	\$2.89	\$2.55
761723	TQ2-L2-4.5V ♠	8H	DPDT	4.5	101.2	44.4	1.0	0.5	10	0.55 x 0.35 x 0.20	3.15	2.89	2.55
761660	TQ2-L2-5V♠	8H	DPDT	5	125	40.0	1.0	0.5	10	0.55 x 0.35 x 0.20	2.99	2.75	2.45
761740	TQ2-L2-9V ♠	8H	DPDT	9	405	22.2	1.0	0.5	10	0.55 x 0.35 x 0.20	3.15	2.89	2.55
761686	TQ2-L2-24V ₹ ♠	8H	DPDT	24	1920	12.5	1.0	0.5	10	0.55 x 0.35 x 0.20	2.85	2.75	2.69
843569	TQ2SA-L2-5V♠	91	DPDT	5	178	28.1	2.0	0.5	10	0.55 x 0.35 x 0.20	3.35	3.25	2.99

TX Series Low Signal Relays

761846	TX2-4.5V ♠	11J	DPDT	4.5	145	31.0	2.0	_	8	0.59 x 0.29 x 0.32	\$1.69	\$1.59	\$1.57
843585	TX2-24V ♠	11J	DPDT	24	4114	5.8	2.0	_	8	0.59 x 0.29 x 0.32	3.25	2.99	2.65
761820	TX2-24V ₹ ♠	11J	DPDT	24	4114	5.8	2.0	_	8	0.59 x 0.29 x 0.32	3.09	2.99	2.69
761854	TX2-48V ♠	11J	DPDT	48	8533	5.6	2.0	_	8	0.59 x 0.29 x 0.32	4.25	3.89	3.49
761871	TX2-L2-5V ♠	12K	DPDT	3	64.3	46.7	1.0	_	10	0.59 x 0.29 x 0.32	3.25	3.19	2.85
843649	TX2SA-5V ₹ ♠	13L	DPDT	5	178	28.1	2.0	_	8	0.59 x 0.29 x 0.32	2.69	2.59	2.35
843614	TX2SA-12V ₹ ♠	13L	DPDT	12	1028	11.7	2.0	_	8	0.59 x 0.29 x 0.32	2.85	2.65	2.35
761897	TX2SA-24V♠	13L	DPDT	24	4114	5.8	2.0	_	8	0.59 x 0.29 x 0.32	3.35	3.09	2.75
761977	TX2SL-4.5V♠	13L	DPDT	4.5	145	31.0	2.0	_	8	0.59 x 0.29 x 0.32	2.75	2.59	2.45
761951	TX2SL-24V♠	13L	DPDT	24	4114	5.8	2.0	_	8	0.59 x 0.29 x 0.32	3.49	3.09	2.89

Power Relays

Panasonic[®]

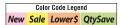
HC Series	Series Miniature Power Relays Contact !Coil Volt.!Coil Resist.! Coil Curr. Contact Rating (A)										it <u>www.J</u>	ameco.co	<u>om</u>	l
			Contact	Coil Volt.	Coil Resist.	Coil Curr.	Contact Rating (A)		Dimens	sions		Pricing		
Part No.	Product No.	Fig.	Form	(VDC)	(Ohms)	(mA)	125VAC	Pins	(L" x W"	x H")	1	25	50	
760798	HC2-H-DC12V♠1	14M	DPDT	12	160	75.0	7.0	8	1.07 x 0.8	2 x 1.38	\$7.85	\$7.19	\$6.39	
760878	HC4-H-DC12V♠ ¹	14N	4PDT	12	160	75.0	5.0	14	1.07 x 0.8	2 x 1.38	12.69	11.55	10.59	
760851	HC4-H-AC24V♠ ¹	14N	4PDT	24VAC	! –	50.0	5.0	14	1.07 x 0.8	2 x 1.38	8.99	8.55	8.12	
760819	HC2-HP-DC12V♠2	14M	DPDT	12	160	75.0	7.0	8	1.07 x 0.8	2 x 1.38	7.85	7.59	7.29	
760835	HC2-HP-DC24V♠2	14M	DPDT	24	650	37.0	7.0	8	1.07 x 0.8	2 x 1.38	7.79	7.39	6.99	
760894	HC4-HP-DC12V♠2	14N	4PDT	12	160	75.0	5.0	14	1.07 x 0.8	2 x 1.38	8.95	8.19	7.45	
760915	HC4-HP-DC24V♠2	14N	4PDT	24	650	37.0	5.0	14	1.07 x 0.8	2 x 1.38	7.59	6.79	6.44	

HL Series Space Saving Power Relays

7	760931	HL1-HTM-DC24V♠3	150	SPDT	24	650	37.0	15.0	5	1.69 x 0.81 x 1.35	\$7.19	\$6.83	\$6.49
17	760958	HL2-HP-AC115V♠ ²	15P	DPDT	115VAC	¦ –	10.9/11.9	10A@250	8	1.07 x 0.82 x 1.39	9.65	9.15	8.69
17	760966	HL2-HP-DC12V♠2	15P	DPDT	12	160	75	10A@250	8	1.07 x 0.82 x 1.39	8.39	7.95	7.55
7	760991	HL2-HP-DC24V♠2	15P	DPDT	24	650	37	10A@250	8	1.07 x 0.82 x 1.39	8.39	7.95	7.55

2 PCB terminal 3 Top-mount

[🕏] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

160

160

17S

JTN Series Economical Relays (for Appliance & Automotive)

20W SPDT

20W

21X ! DPDT

21X DPDT

21X ! DPDT

SPDT

SPDT

16R SPST-NO

16R SPST-NO

17S SPDT

17T SPST-NO

17T SPST-NO

17T SPST-NO

18U SPST-NO

18U SPST-NO

19V SPST-NO

18U SPDT

SPDT

DPDT

20W SPDT

20W SPST-NO

20W SPST-NO

SPDT

SPDT

JQ Series High Noise Immunity Power Relays

RoHS Compliant Product → RoHS Also Available



Panasonic[®]

Product No

IO1-5V♠

JQ1-12V**♠**

JS Series Power Relays

JS1-5V♠

IS1-24V♠

IS1-48V**♠**

JS1A-5V♠

IS1A-12V♠

JS1A-24V

JTN1AS-PA-F-DC12V♠

ITN1AS-PA-F-DC24V ₹4

JTN1AS-TMP-F-DC12V♠

JTN1S-PA-F-DC24V♠

JW1FSN-DC24V♠

JW1FSN-B-DC24V<mark>♣</mark>5

JW1AFSN-B-DC12V♣⁵

JW1AFSN-DC12V♠

JW2SN-DC5V ₹♣

JW2SN-DC12V♠

JW2SN-DC24V♠

JW Series Power Relays JW1FSN-DC5V♠

JQ1AP-12V**∳⁴**

JQ1AP-24V<mark>♠</mark>4

Part No

761037

761011

761045

761061

843121

761088

761125

761109

843171

761141

761168

761184

761213

843201

761299

761256

761230

761336

843235

843260

Power Relays (Continued)

(mA)

80.0

33.3

16.7

8.3

69.4

15.0

7.5

69.4

30.0

15.0

106

22

22

44

106

44

22

10.0

10.0

10.0

5.0

5.0

5.0

5.0

30VDC | 125VAC

5.0

5.0

5.0

5.0

10.0 5

10.0 5

10.0

10.0

10.0

10.0

30A@277

30A@277

30A@277

30A@277 4

10A@250

10A@250 5

10A@250

10A@250

10A@250

5A@250

5A@250

5A@250

5A@250

5.0

5.0

10.0

10.0

Contact Coil Volt. Coil Resist. Coil Curr. Contact Rating (A)

(Ohms)

62.5

360

720

2880

72

1600

6400

72

400

1600

180

720

180

720

1100

1100

270

270

1100

4400

(VDC)

12

12

24

5

24

48

5

12

24

12

24

24

24

12

12

24

48

NEW

5

5

4

5

5

5

4

4

5

5

5

6

6

6

Dimensions

(L" x W" x H")

0.79 x 0.39 x 0.61

0.87 x 0.63 x 0.63

1.26 x 1.06 x 0.80

1.26 x 1.06 x 0.80

1.27 x 1.08 x 1.10

1.26 x 1.06 x 0.80

1.13 x 0.50 x 0.79

1.13 x 0.50 x 0.79

1 13 x 0 50 x 0 79

1.13 x 0.50 x 0.79

For more Panasonic Relays visit www.Jameco.com

\$2.89

2.89

2.59

2.89

\$1.09

1.19

1.45

1.05

.85

1.05

\$2.79

2 85

2.45

2.59

\$1.89

1.99

2 05

1.85

1.99

2.15

1.35

2.29

2.39

Pricing

\$2.85

2.85

2.47

2.85

\$.99

1.09

1.35

.99

.82

\$2.69

2.59

2.39

2.55

\$1.79

1.89

1.89

1.68

1.79

1.99

1.34

2.15

2.19

\$.89

.99

1.19

.89

.79

.89

\$2.39

2.45

2.32

2.49

\$1.59

1.67

1.69

1.49

1.59

1.79

1.33

1.89

1.99

25













N.C.

N.O. Ţ































843294 4 High caps

Small High-Current PC Mount Relays

While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

- · Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500Vrms (between contact and coil)

129349: Immersion cleanable, plastic sealed case

144186: For use with universal relay card (P/N 128910, pg 319)

P & B









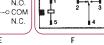










Fig. 2





Potter & Brumfield



Coil

Contact

DPST-NO.

SPDT

61

2M

12VDC

9VDC

-0



C.



Contact

5A/5A

Fia. 7



1.16 x .57 x 1.05

0.73 x .59 x 0.61

Fia. 8



2.29

1.95

1.95



Pricing

Contact Voltage Part No Cross Ref. No. Manufacturer Pins L x W x H (in.) 50 100 Cross Reference Fig. Form Voltage (Ohms) Current 10 145752 L90A-12W⊕o* Rayex T90S1D12-12 SPST 12VDC 155 240VAC 30A 1.2 x 1.0 x .77 \$2.45 \$2.10 \$1.85 \$1.49 1A 134949 L90-5W⊕ T90S5D12-5 SPDT 5VDC 27 240VAC/28VDC 1.3 x 1.1 x .80 2.49 2.15 1.93 1.65 T81H5D215 174450 1 U-5 **≈** 2B SPDT 5VDC 125 120VAC/24VDC 1A/2A .60 x .40 x .45 Rayex 6 1.79 1.66 1.55 1.49 187151 G5LE-1DC5 ₹ 10A/8A Omron 3C SPDT 5VDC 63 120VAC/30VDC .90 x .65 x .75 1.49 1.30 1.15 1.09 187240 G5V-1-DC5 ₹ Omron 4D SPDT 5VDC 166.7 125VAC/24VDC .5A/1A 6 .50 x .30 x .40 2.05 1.79 1.59 1.50 664309 JW1FSN-DC12V Nais (Aromat) 5E SPDT 12VDC 270 250VAC/30VDC 10 1.13 x .51 x .79 1.89 1.70 1.49 1.29 186669 G2R-14-DC12 R 6F **SPDT** 12VDC 275 250VAC/30VDC 10A 1.2 x .51 x 1.0 2.99 2.85 2.69 2.67 Omron 172937 T72M5D121-12 7G SPDT 12VDC 400 10A/5A 5 .75 JS1-12V Nais (Aromat) 125VAC/24VDC .85 x .62 x .63 1.09 .99 .89 144186 JZC-22F⊕ VR15M121C 2H SPDT 12VDC 337 120VAC/28VDC 15A 5 3.79 3.39 3.05 2.75 Velleman .80 x .64 x .80 T7CS5D12 174432 I FG-12F ₹ SPDT 12VDC 400 15A 1.49 Rayex 2H 120VAC/24VDC 5 .76 x .62 x .60 1.29 1.19 1.09 184461 G5V-1-DC12 ₹ Omron 4D SPDT 12VDC 960 125VAC/24VDC .5A/1A .50 x .30 x .40 2.39 1.93 1.71 1.63 125 187282 G6A-234PSTUSDC5 ₹ Omron 81 DPDT 5VDC 125VAC/30VDC .3A/1A .80 x .33 x .40 3.85 3.66 3.49 3.40 174377 LM2-12D ⊕ RKA5DZ12 9.J DPDT 12VDC 270 250VAC/30VDC 5A 1.2 x .48 x 1.0 2.49 2.25 1.95 1.75 Rayex 187258 G5V-2-DC12 🗷 Omron 10K DPDT 12VDC 288 125VAC/30VDC .5A/2A 8 .81 x .40 x .45 2.49 2.28 2.02 1.82

Coil

RKA-7DZ-12

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

270

250VAC/24VDC

120VAC/28VDC



1.69

1.39

1.39

JW2SN-DC48V♣

[📤] This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

⁴⁵⁴⁵⁶³ KLTIC12DC9





24VDC Liquid Level Sensor

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

· Empty type

Part No.

· Diameter: 1.0"

· Overall Length: 3.9" Travel Distance: 2.0"



\$6.28

\$5.29

Sensor empty type ⊕ ... \$7.39 176250

\overline Fuiikura

-1.1 to 2.5 PSI Pressure Sensor

· Measurable pressure range: -1.1 to 2.5 PSI

Description

· Maximum load pressure: twice rated pressure

Operating volt.: 5V @ <10mA

Maximum excitation voltage: 8V

Pressure type: gauge pressure
 Volt-level output

· Pressure media: non-corrosive gas

· On-chip amplification and temp. compensations

Pre-calibration of offset voltage and span

• 1/8" diameter tubing is applicable

Size: .55"L x .47"W x .20"H



Product No. 196103 XFPN-025-KPGRNW1 .. \$24.95 \$22.45 \$20.21

0 to 1.45 PSI Pressure Sensor

· Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)

 Maximum pressure (P_{MAX}): 75kPa (10.875 PSI)

• Operating volt. (typical): 3VDC @ 6mA

· Applications: air movement control, level indicators, leak detection, robotics and industrial controls • 1/8" diameter tubing applicable

Size: 0.7"Dia. x 0.78"Thick (with nozzle)

Part No.	Product No.	1	10	100
218827	MPX10GS	. \$8.99	\$7.99	\$7.19

Making Sense of Sensors

Choosing proximity switch sensors may seem like a trivial process... but the implications can be crucial to your product's success.

For instance, the maximum distance spec'd between the magnet and sensor may significantly affect a product's performance. Too great a distance and a burglar can defeat an alarm trigger. Too little a distance and the installer cannot adequately position the components.

Make sure you fully understand your application, the users and those that benefit from the product. Then make sure you spec your equipment to best meet their needs. At the end of the day, your business will benefit.

Practical Practices

Money Saving Tips for the Engineer



Inductive Proximity Switch Sensors

Cylindrical and Square Styles

Quantity SAVE



Nominal operating voltage: 12VDC

· Normally open output

Switching frequency: 1.5kHz

· Current consumption: 10mA max. · Sensing target: inductive type – magnetic metal

Sensing distance: ±10% (tin) • Fast response Short circuit protected · LED status indicator

Pre-tinned pigtail











421163 421171



421180



• 6' long cable







	1								
		Output	Effec. Dist.	Standard Target	Size	Mounting		Pricing	
Part No.	Product No.	Circuit	(Iron)	(Iron) (mm)	(L" x Dia.")	Hole (in.)	1	10	25
155547	S18-05N-1⊕	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$9.95	\$8.95	\$7.95
167020	TS12-02N-1⊕	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858	TS12-02P-1⊕	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.99	17.99	15.99
155571	TS18-05N-1 ⊕	NPN	0-4.0mm	18 x 18 x 1	1.6" x 0.70"	0.70	24.95	21.21	15.91
421147	CS12-02N-1⊕	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	24.69	20.99	15.74
421155	CS12-05N-1⊕	NPN	0-0.4mm	12 x 12 x 1	2.4" x 0.88"	0.67	25.25	21.46	16.10
421163	CS18-05N-1⊕	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	30.95	26.31	19.73
421171	CS18-08N-1⊕	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	31.29	26.60	19.95
421180	CS30-10N-1⊕	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	34.95	29.71	22.28
421198	CS30-15N-1⊕	_	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	42.09	35.78	26.84
421201	TS12-05N-1⊕	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	21.45	18.23	13.67
421219	TS18-08N-1⊕	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.94	26.95	22.91	17.18
421227	TS30-10N-1 ⊕	NPN	0-8.0mm	30 x 30 x 1	2.4" x 1.40"	1.40	36.29	32.66	24.50
421235	TS30-15N-1⊕	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	40.85	36.77	33.09
421243	S17-05N-1⊕	NPN	0-4.0mm	17 x 17 x 1	1.1" x 0.66"	0.98	14.95	13.45	12.10
421251	S25-07N-1⊕	NPN	0-5.6mm	25 x 25 x 1	1.4" x 1.50"	0.98	24.75	21.04	15.78
			P	hoto Electric	Sensors				
421260	WE-T3AD⊕*	NPN	0-5.0m	≥8mm Dia.	2.6" x 0.708"	.710	\$73.35	\$62.35	\$46.76
421278	WE-M3D⊕*	NPN	0-2.0m	>10-40mm Dia.	2.6" x 0.708"	.710	50.95	43.31	32.48
421286	WE-R3AL⊕†	NPN	0-200mm	_	2.6" x 0.708"	.710	49.19	41.81	31.36
421294	WE-R3BL⊕†	NPN	0-80mm	15-44mm	2.6" x 0.708"	.710	49.19	41.81	31.36

* Dark-on † Light-on



Magnetic Proximity Switch Sensors

18-22mm 2.6" x 0.708"

Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC

NPN 10-30mm

· Contact form: SPST NO

Contact resistance: 100mΩ max. initial

 Operating temperature: -40°C to 100°C Dielectric strength: 200VDC min.

WE-U3L⊕†

· Mechanical & electrical life: 10 million operations

 Housing/spacer/cover: ABS plastic (UL94V-0), white

Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule

Potting: epoxy

 Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white

588182

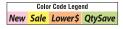


588140

Adhesive mounting: (MPS45WGW only) – foam backed, pressure sensitive

Part No.	Product No.	Description 1	10	100
588131	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap	\$8.48	\$7.78
588123	MPS20WGW	Standard surface mount, screw terminals, 11/4" make gap 10.59	9.85	9.80
588182	MPS9WGW	3/8" diameter panel mount, recessed magnetic contact, 1½" make gap (switch and magnet)	7.64	7.35
588174	MPS95WGW ♠	3/8" diameter panel mount, recessed magnetic contact, 11/4" make gap (switch)	6.78	5.82
588140	MPS70WGW ♠		8.20	7.03

🕏 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD







Ultrasonic Sensor Sets

- · Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case

136654:

Transmit/Receive Set

Capacitance: 2000pF ±30%

· Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz

Lead length/spacing: 0.39"

 Receiver: bandwidth 3.5kHz @ -71dB min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

Case size: 0.47"H x 0.62" Dia.

139491: Transmit/Receive Set

- Capacitance: 2000pF ±20%
- · Lead length/spacing: 0.28"
- Transmitter: bandwidth 5.0kHz @ 100dB. sound pressure level 112dB @ 40 ±1.0kHz



• Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

Case size: 0.30"H x 0.43" Dia.

•	10	50	
5 :	\$6.29	\$5.65	
5	6.29	5.65	
		1 10 5 \$6.29 5 6.29	5 \$6.29 \$5.65



Digital Hall-Effect Proximity Sensors

MP1021 Series

- · Plastic flange-mount housing
- Supply current: 12mA max.
- Operating voltage range: 4.5-24VD
- Output current: 25mA max.
- Output saturation voltage: 500mV max.

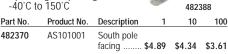
These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our MP1021 Series Proximity Sensors Offering at www.Jameco.com/Prod/CherrySensors



Actuator Magnet Speed and Proximity Sensor

- · Aluminum housing
- · Adjustable thread mounting stud
- Operating temp. range: -40°C to 150°C





Free Technical Support



Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

CHERRY !

Industrial Grade Magnetic Proximity Sensors

Solid State, Adjustable Threaded Housing

- · Immune to hostile environments
- Reverse battery protection to -24VDC
- South pole sensitive
- Cable insulation: polyolefin · Output: 3-wire sink
- Operating temp. range: -40°C to 125°C
- · High speed capability
- · Source or open collector output
- M12 integral connector
- Operating voltage range: 5-24VDC
- Output saturation voltage max.: 700mV
- SST housing

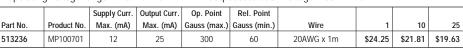
		Supply Curr.	Output Curr.	Op. Point	Rel. Point				
Part No.	Product No.	Max. (mA)	Max. (mA)	Gauss (max.)	Gauss (min.)	Cable/Connector	1	10	100
513210	MP100102 ♠	12	25	300	60	22AWG x 1m cable	\$34.39	\$25.46	\$23.56
513228	MP100502	10	24	25	1	12mm circular conn.	23.25	21.28	19.63

Commercial Grade Magnetic Proximity Sensor

Solid State, Adjustable Threaded Housing

- Anodized aluminum housing (black)
- Sourcing or open collector output
- M12 integral connector meets IEC 60947-5-2 Wire insulation: polyolefin
- Output: 3-wire sink
- Operating voltage range: 4.75-24VDC
- · High speed capability
- · South pole sensitive
- Operating temp. range: -40°C to 125°C
- Output saturation voltage: 700mV max.







Hall-Effect Magnetic Proximity Sensor

With Snap-Fit Mount

- Solid state reliability
- · No mechanical contacts to wear out
- · South pole sensitive or bi-polar latch
- Operating voltage range: 4.75-24VDC
- Output saturation voltage max.: 400mV
- · Immune to dust, dirt, & moisture · Digital output compatible with all logic families
- Operating temp. range: -40°C to 85°C
- Output: 3-wire sink
- Reverse polarity protection to -24V

		Supply Curr.	Output Curr.	Op. Point	Rel. Point				
Part No.	Product No.	Max. (mA)	Max. (mA)	Gauss (max.)	Gauss (min.)	Wire	1	10	25
513244	MP101301	4	25	300	60	24AWG x 1m	\$4.55	\$4.05	\$3.85



Digital Hall-Effect Magnetic Proximity Sensor

Low-Profile Flange Mount

- Capable of millions of operations
- Reverse battery protection to -24VDC
- Output saturation voltage max.: 400mV
- · Meets IEC529 IPX5 for water protection
- · Output wire: 3-wire sink
- Operating voltage range: 4.5-24VDC
- · Applications: door position sensing, flow sensing, pedal switch

		Supply Curr.	Output Curr.	Op. Point	Rel. Point				
Part No.	Product No.	Max. (mA)	Max. (mA)	Gauss (max.)	Gauss (min.)	Function	1	10	25
513252	MP101401	5.2	20	185 (south)	60 (south)	Unipolar switch	\$3.85	\$3.63	\$3.45



Magnetic Proximity Sensors

- Omnipolar, magnetically activated switch Zero power consumption
- · Hermetically sealed
- Contact resistance: 0.2Ω max.
- Can be approached by any magnet from any angle with either pole
 - · Breakdown voltage: 200VDC min. • Operating temp. range: -40°C to 105°C

Aluminum Threaded Housing

· Immune to hostile environments

Suitable for AC/DC circuits

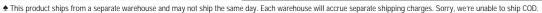


Contact Switching volt. | Switching Curr. Power Op. Time Part No Product No. Form (W) Max. (VDC) Max.(A) Typical (ms) 10 513279 MP200701 SPST NO 10 175 0.5 0.6 \$7.15 \$6.80 \$6.46 513287 MP200702♠ SPST NC 3 100 0.2 7.12 1.0 7.89 7.49 513295 MP200703**♠** SPDT CO 3 100 0.2 9.22

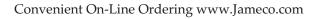
Cylindrical Plastic Housing

· Resistant to dirt and moisture

-		_							
		Contact	Power	Switching volt.	Switching Curr.	Op. Time			
Part No.	Product No.	Form	(W)	Max. (VDC)	Max.(A)	Typical (ms)	1	10	25
482396	AS201701♠	SPST NO	10	175	0.5	0.5	\$2.15	\$2.04	\$1.87
513308	MP201701	SPST NO	10	175	0.5	0.5	3.05	2.67	2.23
513316	MP201702♠	SPST NC	3	100	0.2	1.0	3.25	3.05	2.90
513324	MP201703♠	SPDT CO	3	100	0.2	1.0	5.55	4.98	4.49







Proximity, Speed Sensors, Knobs & Hardware Assortments

CHERRIES !!

Reed-Based Magnetic Proximity Sensors

Plastic Flange Mount

· Hermetically sealed contacts

AS2018/MP2018 Series

Part No.

482409

513332

Contact resistance: 0.2Ω max.

Product No

AS201801

MP201801**♠**

Contact

Form

SPST NO

SPST NO

(W)

10

10

 Zero power consumption · Moisture and dirt resistant

• Op. temp. range: -40°C to 105°C

Switching volt.

Max. (VDC)

175

175

100



Op. Time

Typical (ms)

0.6

0.6

1.0



Pricing

\$2 25

3.29

10

\$2 14

2.92

4.21

Lower \$\$\$

25

\$1.99

2.44



Gear Tooth Speed Sensor

With Flange Style Plastic Housing

- · Sense motion of ferrous gear tooth targets
- High speed capability
- · Near-zero speed sensing capability
- · Immune to hostile environments: electrostatic discharge, electrical transients, radiated electric field, conducted energy, magnetic filed energy
- Operating voltage range: 5-24VDC
- Meets all IEC requirements for heavy industrial equipments
- Supply current: 6mA max. Output: sink
- Output saturation voltage: 400mV max.
- Output current: 4mA max.
 Cable: 22AWG x 1m

Part No.	Product No. 1	10	25
512410	GS101202 ♠ \$31.25	\$28.18	\$25.34

513341 MP201802 SPST NC AS2019/MP2019 Series

· Immune to hostile environments

• Suitable for AC/DC circuits • Breakdown voltage: 200VDC min.

Switching Curr.

Max.(A)

0.5

0.5

0.2

		Contact	Power	Switching volt.	Switching Curr.	Op. Time		Pricing	
Part No.	Product No.	Form	(W)	Max. (VDC)	Max.(A)	Typical (ms)	1	10	25
482417	AS201901	SPST NO	10	175	0.5	0.6	\$3.25	\$2.85	\$2.38
513359	MP201901	SPST NO	10	175	0.5	0.6	2.85	2.66	2.53
513367	MP201902	SPST NC	3	100	0.2	1.0	4.55	4.28	4.07
513375	MP201903 ♠	SPST CO	3	100	0.2	1.0	3.99	3.79	3.60

Industrial Grade Gear Tooth Speed Sensors

Hall-Effect with Adjustable Steel Housing

- · Sense motion of ferrous gear tooth targets
- Near-zero speed sensing capability
- Meets all IEC immunity from: electrostatic discharge, electrical transients, radiated electric field, conducted energy
- Immune from hostile environments
- Operating voltage range: 4.5-24VDC Output saturation voltage: 700mV max. • Output current: 25mA max.
- Output: sink Barrel length: 65mm
- Reverse battery protection to -24VDC Supply current: 6mA max.
- - Operating temp. range: -40°C to 105°C

Part No.	Product No.	Thread	Cable/Connector	1	10	100				
512364	GS100101 ♠	M12-1	12mm circular conn.	\$53.85	\$39.54	\$36.80				
512372	GS100102 ♠	M12-1	22AWG x 1m cable	40.05	38.00	35.15				
512381	GS100201 ♠	M18-1	12mm circular conn.	37.25	35.39	33.01				

Commercial Grade Gear Tooth Speed Sensors

Hall-Effect with Adjustable Aluminum Housing

- Sense motion of ferrous gear tooth targets
- Near-zero speed sensing capability
- Immune from hostile environments
- Reverse battery protection from 24VDC
- Operating voltage range: 4.5-24VDC
- Output voltage: 400mV max.
- Output: sink Wire: 20AWG x 1m
- · Supply current: 6mA max.
- Output current: 25mA max.
- Operating temp. range: -40°C to 125°C

Part No.	Product No.	Housing	Thread	Barrel Igth.	1	10	25		
512399	GS100502 ♠	Alum., red	M12-1	65mm	\$29.35	\$26.37	\$23.76		
512401	GS100701	Alum., blk	15/32" – 32	1.0"	21.39	20.31	19.29		
A 1									

Digital Vane Speed & Proximity Sensors

- · Magnetically activated
- · Rugged over molded plastic housing
- · Immune from moisture & dust
- · No mechanical contacts to wear out · Reverse battery protection to -24VDC
- Open collector output compatible w/ all logic families
- Sensor body material: glass filled polyester
- Operating voltage range: 4.5-24VDC

- · Supply current: 6mA max.
- · Output current: 25mA max.
- Operating temperature range: -40°C to 85°C Output saturation voltage: 400mV max.

Part No.	Product No.	Output	Termination Pins	1	10	25
577580	VN101501	3-pin sink	Pins	\$5.55	\$5.26	\$4.04
577598	VN101503	3 wire sink	24AWG x 150mm	5.75	5.39	5.13

Gear Tooth Speed and Direction Sensors

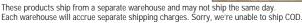
- · Sense speed & direction of ferrous gear tooth targets
- Plastic flange mount sensor rated to 125°C
- Locating mark provided to assure correct
- rotational alignment · 10-bit dynamic threshold
- Internal circuit protection to IEC529 1000
- Meets IEC529 IP67 for dust & water protection
- Near-zero speed sensing capability
- Operating voltage range: 4.75-24VDC
- Supply current: 20mA max.
- Output current: 20mA max.
- · Capable of 800Hz target speed
- Reverse battery protected to -30VDC
- Output saturation voltage: 1000mV max.
- Output: sink Blue Part No. = Limited Quantity

Part No.	Product No.	Op. Temp. Range	Housing Material	1	10	100
577328	SD100103 ♠	-40°C to 85°C ☉	Aluminum	\$56.05	\$45.44	\$40.88
577336	SD101201♠	-40°C to 125°C	Plastic	24.85	23.56	21.18

Alcoswitch

P Series Knobs

- 1/4" or 1/8" shaft sizes
- Insert: Copper alloy
- General purpose phenolic (thermoset)
- · Set screws: steel, hex head, cup point
- Finish: gloss (except PKX, matte)
- · Inlays: skirts: aluminum alloy, spun finish



See Our P Series Alcoswitch Knobs Offering at www.Jameco.com/Prod/AlcoKnobs





Hardware and Spacer Assortment Kit

Nuts, Flat, Tooth & Lock Washers





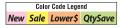


100 each	100 each	100 each	100 each	100 each	100 e	each
Spacers	Hex nuts	Flat	Int. tooth	Split lock	PH machir	ne screws
_	2-56	_	_	#2	2-56 x 1	/4, —
4-40	4-40	#4	#4	#4	4-40 x 1	/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1	/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1	1/2, —
Part No.	Description		W	/t. (lbs.)	1	10
108433	2300 pcs. H	ardware kit		7.5	\$55.95	\$52.49

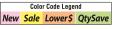
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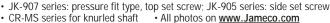
RoHS Compliant Product → RoHS Also Available



AMECO **Value**Pro

Color Instrumentation Knobs

(1/4" Shaft Diameters) **Quantity SAVE**





264823

Cross Ref. No.

JK-905A ⊕

JK-905C₹

JK-905D ⊕

JK-904A ⊕

JK-904B ⊕

JK-904C ⊕

JK-904D ↔

CR-MS-5C5-T18⊕*

CR-MS-4C5-T18⊕*

CR-MS-3C5-T18⊕*

CR-MS-2C5-T18⊕*

CR-MS-1C5-T18⊕o*

JK-905B⊕o

CPBTAA191A1S6.4BK ⊕

Part No.

264823

265050

265068

265077

265084

265017

265025

265033

265041

265261

265252

265244

265236

265228



265084

Grey

Grey

Grey







.67 (.503)

.60 (.45)

.66

ENGLASTIVE.

	•		,			
ig. 2				Fig. 4		
5084		265033			26522	8
	Pointer	Size				
Body Color	Color	(H" x Dia.")	Fig.	1	10	100
Black/black	White	.79 x .77	1 \$.	99	\$.84	\$.63
Black/red	White	.58 x .57	2	65	.59	.58
Black/yellow	White	.58 x .57	2	79	.62	.465
Black/blue	White	.58 x .57	2	92	.73	.66
Black/green	White	.58 x .57	2	79	.63	.57
Black/red	White	.47 x .78	3	99	.84	.63
Black/yellow	White	.47 x .78	3	99	.84	.63
Black/blue	White	.47 x .78	3	99	.84	.63
Black/green	White	.47 x .78	3	99	.84	.63
Grey	Grey	.68 x .51	4	67	.60	.45
Grev	Green	68 x 51	4	78	.67	.61

467

Fig. 3

Blue

Yellow .68 x .51

.68 x .51

JAMECO Aluminum Instrumentation Knobs ValuePro (1/8" and 1/4" Shaft Diameters)

Includes: Set screw for secure attachment 290125: Coarse surface for sensitive control; 1/8" shaft dia.

Quantity SAVE

4



Alum.

JAMECO **Value**Pro

Black Instrumentation Knobs

Lower \$\$\$ (1/4" Shaft Diameters) Quantity SAVE

 Set screw for secure 	e attachment •	RN-112A/113A/114A: N	lumeric dial type
265092	265105	265121	264998



265009



264883











Size



	A
04176	202287

136241

.56 x .85

138392

.55

.59

.49

.55

Part No.	Cross Ref. No.	Body Color	Color	(H" x Dia.")	1	10	100
265092	JK-906A⊕	Black	White	.72 x 1.39	\$.95	\$.81	\$.61
265105	JK-906B ⊕○	Black	White	.79 x .95	1.02	.71	.65
265121	JK-906D⊕	Black	White	.58 x .61	68	.55	.54
264998	JK-902A ₹	Black	White	.69 x 1.31	75	.69	.65
265009	JK-902B⊕	Black	White	.60 x .95	69	.47	.44
264920	JK-901A⊕	Black/alum	White	.79 x 1.77	1.25	1.06	.80
264946	JK-901B ⊕○	Black/alum	White	.64 x 1.29	78	.60	.56
264955	JK-901C ≉	Black/alum	White	.61 x 1.06	75	.59	.54
264990	JK-901D ≉	Black/alum	White	.47 x .78	68	.53	.48
264883	RN-112A ≈	Black/alum	Numeric	.90 x 1.46	99	.93	.88
264892	RN-113A ≉	Black/alum	Numeric	.70 x 1.15	99	.93	.88
264911	RN-114A⊕	Black/alum	Numeric	.58 x 1.46	99	.93	.88
102788	JK-903C ₹≎	Black	White	.54 x 1.25	64	.41	.39
104176	JK-902C⊕	Black	White	.49 x .75	99	.85	.65
202287	CP-Z1-M-S 	Black/alum	White	.60 x .80	79	.69	.64

Pointer

41108-1⊕

KD700B1/4♠

GKB-214**₹**

Alcoswitch



550483









\$20.83

9.43

\$19.79

8.96

0707

136241

138392

550635

550619	550475	550740	550782	550

Straight Knurl w/ Top & Side Indicator

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550483	KLN1250A1/4♠	Natural	1/4"	.281 x 1.252	. \$14.89	\$10.85	\$10.31
550512	KLN500B1/4♠	Black	1/4"	.281 x .500	8.15	6.50	5.64
550521	KLN500B1/8♠	Black	1/8"	.281 x .500	8.09	6.27	6.22

Straight Knurl w/ Spinner, No Indicator 550580 KN1751AS1/4♠ Natural

Natural

KN900A1/4

550598	KN1/51B51/44	Black	1/4"	1.65 X 1.75 22.09	20.83	19.79
Straight	Knurl w/ Indi	cator L	ine			
550619	KN500B1/4♠	Black	1/4"	.625 x .500 \$6.85	\$5.81	\$5.52
550660	KN700B1/4◆	Black	1/4"	.625 x .750 9.49	7.33	6.96

1/4'

1/4"

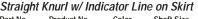
1.65 x 1.75

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

9.95

\$22.09

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Black/alum

Black/alum

Part No.	Product No.	Color	Shaft Size	H" x Dia."	1	10	100
550475	KFS500B1/4 ◆ *	Black matt	e 1/4"	.811 x .382	. \$9.05	\$7.06	\$6.71
* w/ #6-3	2 set screw						

White

White

Straight Knurl w/ Pointer and Indicator Line

Straight	Straight Knurl w/ Arrowhead Indicator, Two-Toned							
550782	KPN900B1/4♠	Black	1/4"	.625 x .937 19.05	14.01	12.33		
550774	KPN900A1/4♠	Natural	1/4"	.625 x .937 18.85	14.01	12.33		
550766	KPN700B1/4♠	Black	1/4"	.625 x .750 15.55	14.75	14.01		
550740	KPN500B1/8	Black	1/8"	.625 x .500 \$13.75	\$13.07	\$12.45		

C1 . 1.1	/// A			01:1	
550635	KN501BA1/4♠	Blk/natural	1/4"	.445 x .500	\$7.55

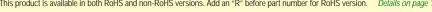
Black

Straight	Straight Knurl w/ Arrowhead Indicator on Skirt										
550707	KNS501BA1/4	Blk/natural	1/4"	.625 x .750 \$11.85	\$9.17	\$8.71					
550723	KNS701BA1/4	Blk/natural	1/4"	.625 x 1.12 10.99	10.35	9.84					
Diamon	Diamond Knurl w/ Indicator Line										
550432	KD500B1/4♠	Black	1/4"	.630 x .500 \$6.55	\$6.21	\$5.90					

1/4"

.630 x .750

8.55





6.21

\$5.81

\$5.52

5.90

550678

^{*} For use with 1/4" knurled shaft

^{.625} x .949 KN900B1/4 Black 1/4' .625 x .949 10.85 9.43 8.96 550459

JAMECO ValuePro

Sonic Transducers and Buzzers

Quantity SAVE

Magnetic Transducers • Applied voltage: 1/2 duty, square wave

			Operating Volt.	Volt. Range	Freq.	Sound			Pricing		
Part No.	Cross Ref. No.	Fig.	(Vp-p/mA)	(Vp-p)	(Hz)	(dB)	Dimensions	1	10	100	1000
207917	DB105GFPN⊕	1	1.5/30	1 – 2	2048	75	.22"H x .47"Dia.	\$1.49	\$1.34	\$1.14	\$.85
138721	DB111A-PN⊕	2	1.5/10	1 – 2	2048	80	.32"H x .46"Dia.	1.49	1.34	1.14	.86
335644	PB-12N23P-12⊕	3	12/50	9 - 15	2300	85	10mm H x 12mm Dia	2.69	2.42	1.94	1.46
138740	DBX05-PN ₹	2	5/40	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.35	1.19	.99
106500	SBT-1205 ⊕	2	5/40	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.35	1.25	1.09
207951	UDX05CPN₹	3	5/100	4 – 8	3100	85	.22"H x .35"Dia.	1.35	.99	.92	.83
			Othe	er Manufa	acturer.	s — 0	Great Deals				
673918	SEP-1162	4	20/7	_	4000	80	.28"H x .55"Dia.	\$1.95	\$.99	\$.92	\$.83
673926	SEP2202A	5	3-20/11	3 – 20	3000	85	.64"H x .96"Dia.	1.95	1.79	1.55	1.09
673871	PRT-1205	2	5/40	3 – 8	2400	90	.35"H x .46"Dia.	1.25	1.15	.99	.75
1537408	QMB-01	7	1.5/15	_	2048	80	.53"H x .63"Dia.	1.29	1.19	1.05	.75



207984	TDB01 ⊕	6	1.5/30	1.25 – 2	2300	75	.47"H x .38"Dia.	\$2.49	\$2.29	\$1.99	\$1.79
76065	TDB05-PN₹	6	5/30	4 – 7	2300	85	.35"H x .46"Dia.	2.99	2.79	2.69	2.59
207976	TDB12⊕	6	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.49	2.24	1.79	1.34
			Othe	er Manuf	acturers	s — 0	Great Deals				
673774	SBT-1612	7	12/40	6-18	2048	85	.53"H x .62"Dia.	\$2.09	\$1.89	\$1.65	\$1.39

Piezo Buzzers

336276	PT-1250W ⊕	8	3/1.5	2 – 5	1250	85	13mm H x 30mm Dia.	\$1.55	\$1.40	\$1.12	\$.84
337210	SC628D⊕	9	6-28/5-18	6 – 28	1900	75	1.28"H x 1.69"Dia.	9.49	8.54	6.83	5.12
336022	PK-27N26W ⊕	10	12/15	3 – 28	2500	90	10mm H x 30mm Dia.	3.49	3.14	2.51	1.88
335505	MAS800 ⊕	11	12/50	9 – 12	2800	103	15.2mm H x 26mm Dia.	4.15	3.74	2.99	2.24
335530	MAS806⊕	11	12/50	5 – 14	2800	103	15.2mm H x 26mm Dia.	5.25	4.73	3.78	3.02
336663	SC105 ⊕	9	1-5/3-16	1 – 5	2900	75	1.28"H x 1.69"Dia	10.05	9.05	7.24	5.43
337535	SNP428⊕	12	4-28/3-16	4 – 28	2900	76	.85"H x 1.64"Dia	8.49	7.64	6.11	4.58
336639	SBM616PU⊕	13	6-16/3-12	6 – 16	2900	78	.62"H x 1.69"Dia	14.99	13.49	10.79	8.09
123537	11D3240⊕	14*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
337383	SC628P⊕	9	6-28/4-16	6 – 28	2900	80	1.84"H x 1.69"Dia	15.69	14.12	11.30	8.48
337359	SC628N⊕	9	6-28/4-16	6 – 28	2900	90	1.28"H x 1.69"Dia	10.95	9.85	7.88	5.91
32601	11S3240⊕	14	24/15	1 – 28	2900	95	1.4"H x 1.7"Dia	4.95	4.45	4.29	4.09
336989	SC616N⊕	9 ^C	6-16/6-22	6 – 16	2900	95	1.28"H x 1.69"Dia	12.35	11.11	8.89	6.67
336997	SC616NJ⊕	9 <mark>S</mark>	6-16/6-22	6 – 16	2900	95	1.28"H x 1.69"Dia	16.79	15.11	12.09	9.07
335556	MSR320⊕	15	3-20/3-16	3 – 20	3400	80	.39"H x .91"Dia	2.55	2.30	1.84	1.38
76021	7S3240-LA⊕	16	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia	4.99	4.69	4.49	4.29
335695	PF-20A35EW ⊕	16 ^F	12/10	3 – 28	3500	95	25mm H x 28mm Dia	5.09	4.58	3.66	2.74
207993	SL15R3120LA ₹	17	12/250	6 – 16	3500	105	2.3"L x 1.8"W x 1.6"H	6.95	6.29	5.99	5.75
336314	PT-2038FW ₹	5	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.15	1.09	1.05	.95
335927	PK-20A38P⊕	3	12/15	3 – 24	3800	95	18mm H x 23mm Dia.	3.55	3.20	2.56	1.92
335564	MSR516N⊕	3	5-16/3-14	5 – 16	3850	86	.39"H x .91"Dia.	3.45	3.11	2.49	1.87
138712	32S4120-PN	6	12/7	3 – 16	4000	80	.30"H x .54"Dia.	2.49	2.25	2.09	1.56
196357	AL-175	6	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	2.99	2.69	2.35	2.06
335855	PK-12N40P ⊕	3	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.29	3.07	3.05	2.69
			Oth	er Manuf	acturer	s — (Great Deals				
454521	MSR3205	15	20/16	3 – 20	3400	80	39"H x .91"Dia.	\$6.99	\$2.14	\$1.94	\$1.78
673900	SEP-1172	18	3-28/7	3 – 28	3300	81	62"H x 1.27"Dia.	1.95	1.75	1.29	.99

C = Continuous tone S = Slow pulse F = Fast pulse

Mechanical/Electromechanical Buzzers

24871	63S109LA ⊕o	19	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	\$2.49	\$2.19	\$1.99	\$1.79
140695	63S1120-LA⊕	19	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	1.55	1.40	1.12	.84

➡ Blue Part No. = Limited Quantity Available

Piezo Sirens

336188	PS-520⊕	17	12/200	5 – 15	3000	105	40mm W x 57.5mm D x 44.5mmH	\$9.25	\$8.33	\$6.66	\$5.96
207888	18R3120 ⊕	20	12/120	9 – 15	1500-3100	105	3.4"L x 2.2"W x 1.3"H	5.99	5.79	5.49	5.29
336225	PS-562	21	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia	5.05	4.92	4.53	4.13

Surface Mount Electromechanical Buzzers

335388	AST500⊕	22	1.5/50	1.2 – 3	2400	85	12.8mm Sq. x 10mm H	\$2.95	\$2.65	\$2.12	\$1.59
335345	ASI301 ⊕	22	5/30	4 – 7	2400	90	12.6mm Sq. x 10mm H	2.75	2.48	1.98	1.49
335353	ASI401	22	12/30	8 – 15	2400	90	12.6mm Sq. x 10mm H	1.79	1.61	1.29	.97

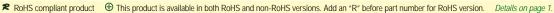








Fig. 3

Fig. 2

Fig. 5

Fig. 6







Fig. 7

Fig. 8

Fig. 9







Fig. 10

Fig. 11

Fig. 12







Fig. 13

Fig. 14

Fig. 15







Fig. 16

Fig. 17

Fig. 18





Fig. 19

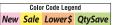
Fig. 20





Fig. 21

Fig. 22



RoHS Compliant Product RoHS Also Available



1.2" (30mm) PCB Mountable Speaker

· Round frame design · Mylar diaphragm

Part No. 135722 Cross Ref. No.

PCM415 ⊕

· Ideal for PC board mounting

Impedance: 8Ω

Solder leads 1.2"[

Output SPL: 82 dB





ensions	1	10	100
Dia. x 0.5"D	\$2.15	\$1.79	\$1.34

Speaker Terminals

Make a solid connection with these push-release speaker terminals. Color-coded red/black connections for positive & negative side of speakers, screwmount plates for easy installation.

• Requires 1.92" round cut-out for recessed mounting

Part No.	Description	Size	Price
318641	Round speaker terminals ⊕	2.95" diameter	\$.43

Round Ferrite Speakers

• 320135: with 2" lead wires • Pre-tinned speaker lugs • Large magnet • Anodized metal surfaces

Braided copper voice coil leads
 Paper diaphragm

		Dimensions	Inj	Input		Output	Frequency	Magnet Size		Pricing		
Part No.	Mfg. P/N	(Dia." x D")	Nom (W)	Max (W)	(Ω)	SPL (dB)	Range (Hz)	(Dia." x H")	1	10	100	
320362	TRF-050F ↔	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	\$2.09	\$1.64	\$1.24	
135589	FE200 ⊕	2.0 x 0.7	0.2	0.4	8	83	420 - 5000	1.3 x 0.4	1.59	1.33	1.09	
320135	C35128A	2.0 x 0.7	0.2	0.4	8	_	_	1.3 x 0.4	1.59	1.35	1.01	
10840	FE201 ⊕	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.59	1.43	1.07	
320354	TR-066F	2.6 x 0.9	0.25	0.5	8	85	440 - 3500	1.3 x 0.4	1.45	1.23	.92	









For speaker wire, see page 104

Square Ferrite Speakers

• Pre-tinned speaker lugs • Large magnet • Anodized metal surfaces • Braided copper voice coil leads • Paper diaphragm

		Dimensions	In	out	Impedance	Output	Frequency	Magnet Size		Pricing	
Part No.	Mfg. P/N	(Dia." x D")	Nom (W)	Max (W)	(Ω)	SPL (dB)	Range (Hz)	(Dia." x H")	1	10	100
135693	FEB200⊕	2.0 x 0.7	0.2	0.3	8	82	500 - 6000	1.3 x 0.5	\$1.59	\$1.45	\$1.29
31959	FEB216₹	2.6 x 0.8	0.2	0.4	16	85	330 - 8000	1.3 x 0.5	2.25	1.99	1.79
99996	FEB204₹	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.49	2.25	1.99



99996 Side



Flat Element, Square Piezoelectric Speakers

• Excellent for alarms or other voice uses • Stainless steel diaphragm

		Dimensions	In	out	Impedance	Output	Frequency	Element Size		Pricing	
Part No.	Mfg. P/N	(Dia." x D")	Nom (W)	Max (W)	(Ω)	SPL (dB)	Range (Hz)	(Dia." x H")	1	10	100
34025	AZ30S ₹	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	\$1.69	\$1.52	\$1.35
76030	AZ40S⊕	1.6 x 0.2	0.4	0.8	8	70	600 - 6000	1.6 x 0.1	1.95	1.75	1.49
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	2.49	2.25	1.95



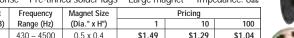
34025 Side



Alnico Speakers

For computer case use
 Paper diaphragm
 Wide frequency response
 Pre-tinned solder lugs
 Large magnet
 Impedance: 8Ω

			Dimensions	Inp	out	Output	Frequency	Magnet Size	Pricing		
Part No.	Mfg. P/N	Fig.	(Dia." x D")	Nom (W)	Max (W)	SPL (dB)	Range (Hz)	(Dia." x H")	1	10	100
88410	A0200⊕	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	\$1.49	\$1.29	\$1.04
684730	A0202C	1	2.6 x 0.9	0.5	1.0	88	350 - 5000	0.9 x 0.5	1.89	1.69	1.49
135765	RA2425 ⊕	1	2.2 x 0.8	0.25	0.5	87	400 - 4000	0.5 x 0.4	1.89	1.69	1.52
111587	B0102⊕	2	1.7 x 0.6	0.1	0.3	83	500 - 5500	0.5 x 0.4	2.09	1.69	1.39
135811	A1527C02 ⊕	3 0	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	2.95	2.49	2.25



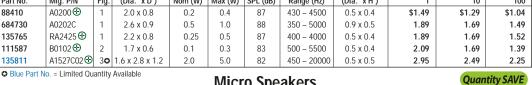






Fig. 2

Mfg. P/N

GC0201M

GF0271M

Micro Speakers Dimensions (Dia." x D"

Difficusions	111	Jul	Output	riequency	iviagnet Size		Pricing	
(Dia." x D")	Nom (W)	Max (W)	SPL (dB)	Range (Hz)	(Dia." x H")	1	10	100
1.70 x 0.38	0.1	0.2	78	500 – 20000	0.26 x 0.06	\$1.39	\$1.12	\$.84
1.06 x 0.30	0.1	0.2	82	500 – 20000	0.49 x 0.15	2.29	2.04	1.86

Fig. 1

Fig. 2

Omni-directional Electret Condenser Microphone Cartridges

Applications:

Part No

355514

355522

Tape recorders, intercoms, hearing aids, telephone and answering devices, Modems for computers sonic controlled toys and sensors

· Used for recording, testing, and monitoring

Fig.





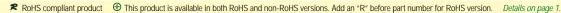




				Frequency	Max. Op.	Stand Op.	Current	Sensitivity	S/N		Size		Pric	ing	
Part No.	Туре	Sensitivity	Impedance	(Hz)	Volt. (VDC)	Volt. (VDC)	(Max.)	Reduction	Ratio	Terminals	(H x Dia.)	1	10	100	1000
160979	WM-64PKT	-44 ±3dB	>2.2kΩ	20-16,000	10V	2.0V	0.5mA	-3dB @ 1.5V	>58dB	PC pin leads	.10" x .24"	\$.72	\$.65	\$.52	\$.35
136574	WM-60PC ₹	-54 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.30" x .38"	.53	.48	.43	.39
320004	YILI	-38 ±3dB	>2.2kΩ	20-16,000	10V	4.5V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.23" x .38"	.69	.62	.32	.24
320178	EM-99 ↔	-64 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.27" x .39"	1.49	1.25	.99	.81
196488	JL-061C⊕	-58 ±3dB	2kΩ	20-20,000	10V	2.0V	0.04mA	-3dB @ 1.5V	>55dB	Solder pad	.10" x .24"	1.25	.95	.85	.69

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Spacers

Aluminum Round Spacers

Quantity SAVE

· Iridite clear finish Blue P/N = I imited Quantity 3/16" OD #4 ID (0 115") * Minimum order 10 nieces

or to OD, "+ 1D (0.113)									
Part No.	Product No.	Length	1	10	100	1000			
392851	1107-4-A-7 ≈	1/8"	*	\$.177	\$.169	\$.159			
392869	1108-4-A-7 ≈	3/16"	.22	.195	.186	.176			
392876	1109-4-A-7⊕	1/4"	.20	.194	.19	.185			
392884	1110-4-A-7⊕	5/16"	.26	.214	.203	.193			
392892	1111-4-A-7⊕	3/8" 🖸	.26	.214	.203	.193			
392906	1112-4-A-7 ₹	7/16"	.34	.288	.274	.26			
392921	1115-4-A-7⊕	5/8"	.30	.242	.23	.218			
392930	1116-4-A-7⊕	11/16"	.44	.37	.35	.263			
392948	1117-4-A-7⊕	3/4"	.33	.279	.265	.252			

1/4" OD, #4 ID (0.115")

1/4" OD #4 ID (0 140")

Part No.	Product No.	Length	1	10	100	1000
393051	1122-4-A-7⊕	1/8"	\$.24	\$.205	\$.1940	\$.146
393061	1123-4-A-7 ≉	3/16"	.24	.205	.194	.185
393078	1124-4-A-7⊕	1/4"	.24	.205	.194	.185
393086	1125-4-A-7⊕	5/16"	.24	.205	.164	.123
393095	1126-4-A-7 2	3/8"	.30	.242	.23	.218
393107	1127-4-A-7⊕	7/16"	.39	.326	.309	.232
393115	1128-4-A-7⊕	1/2"	.30	.242	.23	.173
393123	1133-4-A-7⊕	13/16"	.39	.326	.309	.232
393131	1134-4-A-7⊕	7/8"	.39	.326	.309	.232
393140	1136-4-A-7⊕	1"	.39	.326	.309	.232

1/4 UD, #	6 ID (U. 14U	Blue	e P/N = 1	Limited (Quantity	
Part No.	Product No.	Length	1	10	100	1000
393254	1122-6-A-7⊕	1/8"	\$.24	\$.205	\$.194	\$.185
393262	1123-6-A-7⊕	3/16"☎	.24	.205	.194	.185
393272	1124-6-A-7 ₹	1/4"	.24	.205	.194	.185
393290	1125-6-A-7 ₹	5/16"	.24	.205	.194	.185
393298	1126-6-A-7 ₹	3/8"	.30	.242	.23	.218
393300	1127-6-A-7⊕	7/16"	.39	.326	.309	232
393318	1128-6-A-7⊕	1/2"0	.30	.242	.23	.218
393326	1133-6-A-7⊕	13/16"	.39	.326	.309	.294
393335	1134-6-A-7 2	7/8"	.39	.326	.309	.294

Brass Round Spacers

· Zinc clear chromate finish

1/4" OD, #6 ID (0.140")

Part No.	Product No.	Length	1	10	100	1000
393352	1122-6-B-12 ₹	1/8"	\$.24	\$.205	\$.194	\$.185

Standoffs

Quantity SAVE

Male-Female Hex Aluminum Standoffs

· Iridite clear finish

Thread le



16	engtn : 1/4"			-			
	Product No.	Length	1	10	100	1000	ı
	4501-440-A-7 2	1/4"	\$.35	\$.298	\$.283	\$.269	1
	4503-440-A-7 ₹	3/8"	.35	.298	.283	.269	ı
	4505-440-A-7 ≉	1/2"	.35	.298	.283	.269	ı
	4509-440-A-7	3/4"	39	326	309	294	ı

.326 .309 .294

Quantity SAVE

Quantity

3/16" Hex, 6-32 Thread

4513-440-A-7**2**

· Thread length: 3/8"

Part No.	Product No.	Length	1	10	100	1000
393537	4501-632-A-7 ↔	1/4"	\$.38	\$.328	\$.311	\$.296
393546	4503-632-A-7 ₹	3/8"	.35	.298	.283	.269
393554	4505-632-A-7 ≉	1/2"	.35	.298	.283	.269
393571	4509-632-A-7 ₹	3/4"	.39	.326	.309	.294
393588	4513-632-A-7 ≉	1"	.39	.326	.309	.294

Male-Female Hex Brass Standoffs

· Zinc clear chromate finish

1/4" Hex, 4-40 Thread

•	Thread	length : 3/16"	Blue	P/N = Limited
---	--------	----------------	------	---------------

Part No.	Product No.	Length	1	10	100	1000
393837	4530-440-B-12 	1/4"	\$.73	\$.61	\$.58	\$.55
393844	4532-440-B-12 ↔	3/8" 🖸	.75	.63	.60	.57
393852	4534-440-B-12 ↔	1/2" 🖸	.81	.69	.65	.62
393861	4536-440-B-12 ↔	5/8"	.83	.75	.60	.45
393880	4538-440-B-12 ₹	3/4"	.78	.66	.63	.60
393888	4542-440-B-12 ₹	1"	.78	.66	.63	.60
393895	4546-440-B-12 ↔	1-1/4"	.85	.77	.62	.465
393909	4550-440-B-12 ₹	1-1/2"	1.24	1.05	1.00	.95

1/4" Hex, 6-32 Thread

· Thread length: 3/16"

Quantity SAVE

Part No.	Product No.	Length	1	10	100	1000
393916	4530-632-B-12 ↔	1/4"	\$.73	\$.66	\$.528	\$.396
393924	4532-632-B-12 ↔	3/8"	.75	.63	.60	.57
393932	4534-632-B-12 ↔	1/2"	.81	.73	.58	.435
393941	4538-632-B-12⊕	3/4"	.78	.70	.56	.42
393959	4542-632-B-12⊕	1"	.78	.70	.56	.42
393968	4546-632-B-12 ₹	1-1/4"	.85	.72	.68	.65

Female-Female Hex Brass Standoffs

· Zinc clear chromate finish

1/4" Hex, 4-40 Thread

Part No.	Product No.	Length	1	10	100	1000
393685	2100-440-B-12 	1/4"	\$.24	\$.205	\$.194	\$.185
393693	2102-440-B-12 	3/8"	.37	.292	.292	.277
393705	2103-440-B-12⊕	7/16"	.71	.64	.512	384
393714	2104-440-B-12 	1/2"	.44	.372	.353	.336
393721	2106-440-B-12⊕	5/8"	.61	.549	.439	329
393731	2108-440-B-12	3/4"	.69	.58	.55	.52
393749	2112-440-B-12 	1"	.81	.69	.65	.62

1/4" Hex, 6-32 Thread

Part No.	Product No.	Length	1	10	100	1000
393757	2100-632-B-12 	1/4"	\$.24	\$.205	\$.194	\$.185
393764	2102-632-B-12⊕	3/8"	.37	.307	.292	.277
393772	2104-632-B-12⊕	1/2"	.44	.372	.353	.336
393781	2106-632-B-12⊕	5/8"	.61	.512	.486	.462
393799	2108-632-B-12⊕	3/4"	.69	.58	.548	.52
393802	2112-632-B-12 2	1"	.81	.69	.65	.62
393811	2120-632-B-12 	1-1/2"	.77	.65	.62	.59

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Thumbscrews

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	•••••						-	
Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394055	7120-A 2	4-40	5/16"	1/2"	\$1.55	\$1.47	\$1.40	\$1.33
394063	7125-A 2	6-32	3/8"	9/16"	1.49	1.42	1.35	1.28
394071	7128-A⊕	8-32	3/8"	9/16"	1.65	1.49	1.19	.89
394089	7135-A⊕	10-32	1/2"	11/16"	1.69	1.52	1.22	.92
394097	7138-A⊕	1/4-20	1/2"	3/4"	1.79	1.61	1.29	.97
394100	7140-A 🕀	1/4-20	5/8"	7/8"	1 85	1 76	1 67	1 59

Quantity SAVE

Instrumentation Handles

216821:

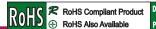
- Material: brass, nickel plate
- · Oval diameter: 5/8"
- **Quantity SAVE** · Internal thread size: 10-32 457801: • Material: Aluminum
- Oval diameter: 1/4" Internal thread size: 6-32

Part No.	Size (L" x H" x T")	1	10	100
216821	3.0 x 1.3 x 0.3	\$2.49	\$2.12	\$1.59
457801	3.0 x 1.0 x 0.4	2.19	1.76	1.32

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product Details on page 1.







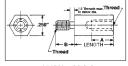
Hex 187"/ 250" Female

Aluminum & Brass Threaded Standoffs

[†] Finish: Iridite (clear)¹ per MIL-C-5541-D; bright tin plate²; stainless steel³ **Quantity SAVE**



.250" Male/Female



.187"/.250" Hex Female (Fig. 1)

.250" Hex Male Female (Fig. 2)

10 piece minimum

* 10 piece minimum

.187" Hex Female 4-40 Thread (Fig. 1) .187" Hex

Part		Hex		Pricing	
Number	Metal [†]	Length	10	100	1000
175636	Brass⊕2	.187"	\$.21	\$.15	\$.10
102795	Brass⊕2	.240"	.21	.15	.10
133612	Alum ⊕1	.250"✿	.20	.14	.11
133640	Alum 2 1	.500"	.22	.20	.11
139791	Alum ⊕1	.562"	.19	.162	.122
133648	Alum 2 1	.625"	.14	.13	.115
133656	Alum 2 1	.750"	.43	.39	.23
139185	Alum 2 1	1.000"	.43	.39	.32

.250" Hex Female 4-40 Thread (Fig. 1) .250" Hex

Part		Hex	Pricing			
Number	Metal [†]	Length	1	10	100	1000
139193	Alum ₹ 1	.250"	*	\$.16	\$.12	\$.082
77501	Alum 2 1	.375"	.22	.20	.15	.09
134763	Alum 2 1	.437"	.24	.21	.18	.15
108371	Alum 2 1	.500"	.28	.25	.17	.10
77519	Alum 2 1	.625"	.42	.35	.19	.14
133605	Alum 2 1	.750"	.39	.35	.19	.14
139206	Alum 2 1	1.000"	.49	.35	.25	.15

.250" Hex Female 6-32 Thread (Fig. 1) .250" Hex

				* 10	piece m	inimum
Part		Hex		Pr	icing	
Number	Metal [†]	Length	1	10	100	1000
77535	Alum ₹ 1	.250"	\$.25	\$.22	\$.14	\$.08
133592	Alum 2 1	.375"	.32	.29	.13	.09
77543	Alum 2 1	.500"	.25	.22	.17	.10
77552	Alum 2 1	.625"	.28	.25	.19	.14
77570	Alum 2 1	.750"	.31	.28	.21	.13
77578	Alum 2 1	1.000"	.59	.35	.30	.16
143408	Alum 2 1	1.500"	.69	.61	.49	.42
143441	Alum 2 1	1.750"	.79	.59	.48	.41

.250" Hex Male/Female

4-40 Thread (Fig. 2) (Thread A: .250"; B: .187")

Part		Hex		Pr	icing	
Number	Metal [†]	Length	1	10	100	1000
77586	Alum 2 1	.250"	\$.32	\$.29	\$.21	\$.16
77593	Alum⊕1	.375"	.43	.387	.31	.233
111755	Alum⊕1	.500"	.49	.44	.36	.20
139213	Alum⊕1	.625"	.43	.39	.35	.31
139222	Alum ≉ 1	.75"	.43	.39	.35	.21
139231	Alum 2 1	1.00"	.49	.44	.36	.30
128566	Alum 🕿 1	1.25"	.59	.53	.44	.38
166545	Alum⊕1	1.50"	.75	.65	.59	.49
618020	Steel ³	1.50"	.79	.69	.63	.53

.250" Hex Male/Female

6-32 Thread (Fig. 2) (Thread A: .375"; B: .250") 10 piece minimum

Part		Hex		Pricing	
Number	Metal [†]	Length	10	100	1000
133542	Alum 2 1	.250"	\$.39	\$.35	\$.21
133568	Alum 2 1	.375"	.39	.35	.22
77607	Alum 2 1	.500"	.32	.29	.23
77623	Alum 2 1	.750"	.39	.35	.28
77650	Alum 2 1	1.000"	.44	.40	.32
206623	Steel ³	1.250"	1.39	1.25	1.09

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SAE Hardware

Zinc-plated steel





Slotted Pan Head Machine Screws								
Part	Screw	Thread	Length	100 piec	e minimum			
Number	Size	IIIIcau	(inches)	100	1000			
38173	2-56	Std	.250	\$.025	\$.022			
40952	4-40 🕿	Std	.250	.019	.011			
40970	4-40 2	Std	.375	.017	.012			
106810	4-40 🗷	Std	.500	.023	.019			
106543	6-32	Std	.250	.018	.013			
42446	6-32 ↔	Std	.375	.019	.014			
42438	6-32	Std	.500	.016	.012			
106797	8-32	Std	.500	.04	.032			
Hex Nuts								

•		Не	x Nuts		•
38165	2-56	Std	.183	\$.022	\$.014
40943	4-40 🕿	Std	.243	.025	.013
42420	6-32⊕	Std	.306	.023	.014
51553	8-32⊕	Std	.334	.02	.015

9		Flat Was	hers	9	
Part	Screw	Dia.	100 pied	e minimum	
Number	Size	(inches)	100	1000	
211131	4	.237	\$.019	\$.014	
106826	42	.281	.022	.019	
106833	6⊕	.373	.023	.02	
106841	8	.377	.04	.025	
Internal Tooth Lock Washers					
106850	4 ↔	.258	\$.006	\$.006	

106868	6⊕	.277	.018	.015
106877	82	.323	.031	.029
0	Vashers	0		
106788	2⊕	.161	\$.024	\$.016
211140	4	.201	.02	.015
40977	4⊕	.242	.02	.015

	J	DIN LOCK V	vu3iici3	
106788	2⊕	.161	\$.024	\$.016
211140	4	.201	.02	.015
40977	4⊕	.242	.02	.015
42463	6 2	.240	.011	.009
51609	8⊕	.279	.02	.012

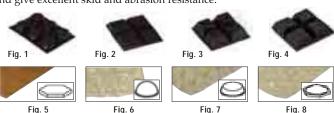
Quantity SAVE PCB Standoff Mounting Hardware



• 10 piece	minimum	129252	28337	148056		156831
Part No.	Cross Ref. No.	Dimensions	Holes	10	100	1000
28337	PCST⊕	1.2"L x 0.6"W	0.2"	\$.12	\$.07	\$.04
129252	PCST2 ₹	0.9"L x 0.4"Dia.	0.2"/0.3"	18	.11	.075
148056	PCST3	0.8"L x 0.5"W	0.1"/0.2"		.077	.058
156831	KCS10⊕	0.68"L x 0.32"Dia.	0.14"	125	.093	.073
291961	ACBS-6	0.75"L x 0.5"W	0.1"/0.2"		.052	.029
291987	CASE-45-50	0.85"L x 0.3"Dia.	0.2"	<mark>126</mark>	.083	.053
292015	SCR-6	0.7"L x 0.27"Dia	0.1"/0.2"	162	138	117

Adhesive Rubber Feet

These durable, pressure sensitive, adhesive-backed urethane bumpers provide many high performance advantages: adhere quickly and stay in place on a variety of surfaces, resist marring and staining on surfaces, and give excellent skid and abrasion resistance.



Bumpon™ Protective Products

Part No.	Product No.	Туре	Fig.	Pack	W" x H"	1	10	50
142658	SJ5012BLKC ≉	Black cylindrical	1	100	.50 x .14	\$5.95	\$5.35	\$4.86
142771	SJ5008BLKC ≉	Black square	2	100	.50 x .12	6.69	4.76	4.29
142682	SJ5018BLKC ₹	Black square	3	100	.50 x .23	9.95	8.25	7.04
126981	SJ5023BLK4₽	Black square	4	4	.81 x .30	1.95	1.75	1.59
142666	SJ5023BLKC ₹	Black square	4	100	.81 x .30	14.25	11.21	10.09
651891	SJ5201BRN132 ₹	Brown hexagon die cui	t 5	132	.43 x .13	7.25	6.44	5.78
651903	SJ5302CLR96₽	Clear hemisphere	6	96	.31 x .09	7.25	6.44	5.78
651911	SJ5312CLR56₽	Clear cylindrical	7	56	.50 x .14	7.25	6.44	5.78
651920	SJ5412WHT56 ₹	White cylindrical	7	56	.50 x .14	7.25	6.44	5.78
651938	SJ6553CLR132 ₹	Clear hexagonal cone	8	132	.43 x .12	8.15	7.21	6.48

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



3M















135394 - Electrolytic

135271 _ LED

169578 - Photocell

18294 - Toy Motors

149649 - Fans

55968 - Spacers

319600 - Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213) referenced towards the bottom of the page.

Capacitors

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 asst. ceramic disc capacitors	0.2	\$4.95	\$4.49
135335	GB100LB*	1 lb. (813 pcs) asst. ceramic disc caps	1.0	12.95	11.49
135458	GB101LB*	1 lb. (440 pcs) asst. mylar capacitors	1.0	14.95	13.49
17911	GB102	100 assorted electrolytic capacitors			
		radial, axial, snap	0.5	. 4.95	4.49
135394	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic cap	S		
		radial, axial, snap (photo above)	1.5	12.95	11.49
17945	GB103	100 assorted tantalum capacitors			
		(dipped epoxy and solid tubular)	0.1	. 9.95	8.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description \	Nt. (lbs.)	1	10	25
17961	GB107	200 assorted diodes				
		(zener, switching, silicon)	0.1 \$	5.95	\$5.35	\$4.79
18171	GB127	100 assorted transistors				
		(NPN, PNP, power)	0.1	5.95	5.35	4.79
114446	GB150	50 assorted crystals/oscillators	0.2	7.95	6.95	6.25

Resistors, Trimmers and Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.) 1	10
18104	GB116	200 asst. 1/4W resistors (5&10%)	0.1 \$5.49	\$4.95
135351	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0 14.95	13.49
18139	GB117	200 asst. 1/2W resistors (5&10%)	0.2 5.95	5.35
18075	GB113 ⊙	100 asst. 1/10W to 1/8W trimmer pots (100 Ω to 2M Ω values)	0.1 5.15	3.98
18278	GB174	100 assorted 1/4W & 1/2W single-turn pots (100 Ω to 5M Ω assorted values)	0.2 6.95	6.25

[♥] Blue Part No. = Limited Quantity Available

Integrated Circuits and Sockets

135280 GB108LB* 1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT) 1.0 19.05 18.13 18024 GB109 100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220 0.6 8.69 8.27 145242 GB109LB* 2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.) 2.0 19.05 18.12 114964 GB171 100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMs) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets	Part No.	Cross Ref. No.	Description V	Vt. (lbs.)	1	10
135280 GB108LB* 1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT) 1.0 19.05 18.13 18024 GB109 100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220 0.6 8.69 8.27 145242 GB109LB* 2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.) 2.0 19.05 18.12 114964 GB171 100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMs) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets	17996	GB108	100 assorted 7400, 74LS00 series			
(74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT) 1.0 19.05 18.13			(74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	0.2 \$	6.95	\$6.25
18024 GB109 100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220 0.6	135280	GB108LB*	1 lb. (400 pcs) asst. 7400, 74LS00 series			
7800, 7900 reg.) DIP, TO-3, TO-220 0.6 8.69 8.27 145242 GB109LB* 2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.) 2.0 19.05 18.12 114964 GB171 100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMs) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets			(74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	1.0 1	9.05	18.13
145242 GB109LB* 2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.) 2.0 19.05 18.12 114964 GB171 100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMS) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets	18024	GB109	100 asst. linear series (LM300, 500, 700,			
(LM300, 500, 700, 7800, 7900 reg.) 2.0 19.05 18.12 114964 GB171 100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMS) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets			7800, 7900 reg.) DIP, TO-3, TO-220	0.6	8.69	8.27
114964 GB171 100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMS) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets	145242	GB109LB*	2 lb. (300 pcs) asst. linear series			
PALS, RAMs, PROMS, EPROMS) 0.7 12.95 11.49 105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets			(LM300, 500, 700, 7800, 7900 reg.)	2.0 1	9.05	18.12
105620 GB120 100 asst. sockets (DIP IC, PGA) 0.3 5.95 5.35 135386 GB120LB* 1 lb. (260 pcs) assorted sockets	114964	GB171	100 asst. microprocessor series (micros	i,		
135386 GB120LB* 1 lb. (260 pcs) assorted sockets			PALS, RAMs, PROMS, EPROMs)	0.7 1 .	2.95	11.49
	105620	GB120	100 asst. sockets (DIP IC, PGA)	0.3	5.95	5.35
(DIP, PGA, SIMM, SIP, DIN) 1.0 12.95 11.49	135386	GB120LB*	1 lb. (260 pcs) assorted sockets			
			(DIP, PGA, SIMM, SIP, DIN)	1.0 1 .	2.95	11.49

Valleman 5mm x 20mm Fast Acting Fuse Kit

- Voltage rating: 250VAC
- Glass cartridge, silver-end caps
- IEC127 / BS4265 / CEE4 specifications
- 100 pieces: 10 ea. of 0.1A,
- 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A

Part No.	Product No.	1	10	25
645343	K/FF	\$12.29	\$11.68	\$11.09

LEDs, Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1 10	25
18041	GB110	100 assorted sizes & colored LEDs	3		
		(T1&T1 ³ / ₄ round and rectangular)	0.1 \$6.9 !	5 \$6.29	\$5.65
18323	GB186	500 asst. sizes #18041 LEDs	0.3 19.9	5 17.95	15.95
135271	GB110LB*	1 lb. (1900 pcs) asst. #18041 LEDs	s 1.0 44.9 !	5 40.95	38.95
18201	GB162	50 asst. sizes of colored displays			
		(7-segment LED, modules, stick)	0.5 9.9 !	5 7.45	6.69
169578	GB125	100 asst. values photocells	0.2 19.9 !	5 18.49	16.95

Switches, Toy Motors and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235	GB165	50 assorted switches			
		(toggle, pushbutton, rocker, slide)	0.4	\$8.75	\$7.69
135378	GB165LB*	1 lb. (135 pcs) asst. #18235 switches	1.0	18.95	16.95
18294	GB182	5 asst. toy DC motors (1.5-24V)	1.1	5.49	4.95
149649	GB193	5 asst. AC&DC fans (photo above)	4.5	8.75	7.69

Hardware Assortments

	-			-		
2-56ScrewsSteel	4-40PlasticBrass	6-32NutsLock Washers	8-32WashersAluminum	2		2
Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1 10	25
171571	GB149*	1 lb. (500 pcs) asst. t nuts, washers & lock w	J1 .	.0 \$5.9	5 \$5.35	\$4.79
171635	GB149LB*	3 lbs. (1400 pcs) ass same as P/N 171571	J.	.0 12.9	5 11.49	9.95

Spacers and Standoffs Assortments

• Rouna	• Hex • Al	uminum • Brass • Steel	• Plastic • I	vyion
Part No.	Cross Ref. No.	Description	Wt. (lbs.) 1	10 25
166481	GB440	100 asst. 4-40 spacers/standoffs	0.5 \$12.95	\$12.49 \$11.49
166490	GB632	100 asst. 6-32 spacers/standoffs	0.5 16.95	15.49 13.95
55968	GB140	100 asst. 4-40, 6-32, 8-32 round/		
		hex, alum/brass/nylon spacers	0.3 17.95	16.49 14.95
135423	GB140LB*	1 lb. (310 pcs) same as P/N 55968	1.0 34.95	31.95 28.00

Schwab's School Selection

Jameco's nine most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.



What's your suggestion?

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	3.3	\$39.95	\$34.95
319600	GB197 ≈	20 drawer component cabinet	4.7	15.95	13.95

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1







Call for additional OEM PRICING - we carry major manufacturers.

· Low profile

NEW

- · Agency approved
- Ball and sleeve bearings
 Power input by lead wires or terminals
 Low power consumption
 Low acoustical noise rating
- · PBT black thermo plastic frame and impeller











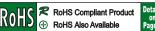


355															
Part	Manufacturas	Product	Voltage	L Sizo (M" » LIII » Din	Air Flow	Poor!==	Current	Power (Watte)	Agency	Noise	Connection	4	Pric		100
Number	Manufacturer	Number	(VDC)	Size (W" x H" x D")	(CFM)	Bearing	(mA)	(Watts)	Approvals	(dBA)	(Leads)	1 00.40	10	50 67.01	100
131247	Adda 🛠	AD0205LX-G50	5 1 5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5" 5"	\$8.49	\$7.64	\$7.01	\$6.38
206157	Sunon 🕿	KDE0502PFB3-8	1 5 I	1.00 x 1.00 x 0.40	1.8 1 3	Ball	60 80	0.3	UL/CSA/TUV/CE	23	5.5"	11.95 10.95	10.76	8.60	6.45
695050	Sunon	GM0502PFV2-8		1.00 x 1.00 x 0.40		Vapo		0.4	UL/CUL	16			9.85	8.69	7.75
1536931	Sunon	KDE0504PFV2	5	1.60 x 1.60 x 0.40	7	Sleeve	140	0.7	UL/CUL/TUV	27	12"	4.95	4.49	3.95	3.49
687789	Sunon	KDE0504PKB3	5	1.60 x 1.60 x 0.80	6.2	Ball	140	0.7	UL/CUL	24	11"	7.95	7.15	6.29	5.29
207061	Adda	AD0505MB-G90	5	2.00 x 2.00 x 0.40	10.5	Ball	120	0.7	UL/CSA/CE	24	11"	7.95	6.95	6.25	5.59
355493	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn.	8.19	7.37	5.89	(4.42)
212783	Sunon	KDE1203PFB1-8	12	1.18 x 1.18 x 0.40	3.5	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	10.95	8.50	7.85	6.95
212760	Sunon 🗷	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	11.95	10.76	9.68	8.06
191476 210797	Common Wealth Sunon Sunon	FP-108HX/DC KD1204PFB3H	12 12	1.60 x 1.60 x 0.40	4.0	Sleeve Ball	60 50	0.72 0.6	UL/CSA/TUV/CE UL/CUL/TUV/CE	25	12" 14"	4.95 6.95	4.49 6.25	3.95 5.59	3.55 4.95
	ReliaPro 🕀			1.60 x 1.60 x 0.40	4.7					24		5.65 3.25			1.73
355418		JR-DCF1241010S1	12	1.60 x 1.60 x 0.40	5.2	Sleeve	60	0.72	UL/CUL/TUV/CE	22.6			2.88	2.30	3.19
279611 189691	Toyo Sunon ⊕	T401012VH KD1204PFS1-8	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1 0.7	UL/CUL/TUV/CE UL/CUR/TUV/CE	33.5	12" 12"	5.95 7.95	5.29 7.16	4.29	4.29
212717	Sunon 🗷	KDE1204PFB2-H	12 1 12	1.60 x 1.60 x 0.40	6.6 6.5	Sleeve Ball	60 90	1.1	UL/CUL/TUV/CE/VDE	30 27	12"	6.65	4.95	5.72 4.36	3.95
				1.60 x 1.60 x 0.40							2.5"				
311968 213428	Adda Adda	AD0412HS-G70 AD0412HB-G76 ¹	12 12	1.60 x 1.60 x 0.40	6.7	Sleeve Ball	100 100	1.2 1.2	UL/CUL/TUV/CE CE	25 30.2	12"/3 leads	4.25 7.59	3.83 6.83	3.06 5.46	2.29 (4.10)
212725	Sunon 🗷	KDE1204PFV1	12	1.60 x 1.60 x 0.40	6.7 8.3		110		UL/CUL/TUV/CE/VDE	34.4	12 /3 leaus	6.65	5.98	4.79	3.59
136178	Adda	AD0412MS-C70	12	1.60 x 1.60 x 0.40 1.60 x 1.60 x 0.80	5	Vapo Sleeve	110	1.4	UL/CSA	23	9"	2.95	2.64	2.38	1.78
195899	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	7.95	7.16	5.72	4.29
279620	Toyo	T402012H	12 1	1.60 x 1.60 x 0.80	6.7	Ball	70	0.9	UL/CUL/TUV/CE	26.2	12"	7.99	6.56	5.72	3.94
	Delta	DFB0412H	12		8.5	Ball	100	1.0	UL/CSA/VDE	32	8"	7.95	7.16	6.44	5.80
206447 249375	Adda	ADO412HB-C56 ²	12	1.60 x 1.60 x 0.80 1 1.60 x 1.60 x 0.80	9.2	Ball	100	1.0	UL/CUL/TUV/CE	39.3	2"	8.95	8.06	6.44	4.83
687754	Sunon	KDE1204PKSX-8	12	1.60 x 1.60 x 0.80	9.5	Sleeve	90	1.1	UL/CUL/TUV/CE	28	11"	8.49	7.59	6.79	5.95
206164	Sunon	KDE1204PKBX-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	17"	8.95	8.06	7.25	4.83
687771	Sunon	KDE1204PKBA-6 KDE1206PHS1	12	2.36 x 2.36 x 0.60	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	10" w/ conn.	7.95	7.15	6.49	5.49
212688	Sunon 🕿	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.0	UL/CUL/TUV/CE/VDE	29	12"	5.49	4.99	4.57	4.30
297959	Delta	EFB0512HA	12	2.00 x 2.00 x 0.40	11.4	Ball	150	1.8	UL/CSA/CE/VDE	30	6" w/ conn.	6.29	5.66	4.57	3.40
139602	Adda 🕿	AD0512HS-D71	12	2.00 x 2.00 x 0.40	11.4	Sleeve	100	1.0	UL/CSA/CE/VDE	29	12"	7.49	6.74	5.39	4.04
354933	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/VDE/CE	29	12"/3 leads	7.47	7.17	5.75	4.31
687800	Sunon	KDE1206PFS1-8	12	2.36 x 2.36 x 0.40	16.5	Sleeve	120	1.4	UL/CUL/TUV	34.5	12 /3 leaus	7.99	7.17	6.29	5.29
195945	Adda 🕿	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	6.95	6.26	5.00	3.75
662602	Panaflo	FBA06T12H-1BS ³	12	2.36 x 2.36 x 0.60	16.6	Sleeve	145	1.74	UL/CSA	32	12"/3 leads	9.49	6.95	6.49	5.79
249069	Jamicon 🗷	JF0615B1H-000-243	1 12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	8.75	7.89	7.09	6.39
1537141	Sunon	KDE1206PHB1	1 12	2.36 x 2.36 x 0.60	21	Ball	150	1.8	UL/CUL/CE	37.5	12"/3 leads	7.95	7.15	6.49	5.95
175046	Globe Motors	D24-B08A-04W3-000		2.36 x 2.36 x 0.80	10.6	Ball	90	0.8	UL/CSA/TUV/CE	22	13"	6.95	6.29	5.05	3.79
144161	Adda 🗷	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	8.49	7.69	6.15	4.65
189595	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	4.95	4.46	3.58	(2.69)
237075	Nidec	TA225DC-B33399-55	12	2.36 x 2.36 x 1.00	12	Ball	110	1.3	UL/CSA	17.2	10"	5.95	5.36	4.82	3.62
689240	Sunon	KDE1206PTB1(M) ³	12	2.36 x 2.36 x 1.00	22.5	Ball	170	2.0	UL/CSA/TUV/CE	34	12"	6.15	5.59	4.95	4.39
136143	Delta	SB0612M	1 12	2.36 x 2.36 x 1.00	1 17.7	Sleeve	110	1.8	UL/CSA/VDE	26.5	5"	5.95	5.36	4.82	4.34
662645	Panaflo	FBA06A12U-1BS ³	1 12	2.36 x 2.36 x 1.00	20.5	Sleeve	270	2.52	UL/CSA	37	12"/3 leads	7.49	6.95	5.95	4.49
102947	Jamicon	JF0625S1H	12	2.36 x 2.36 x 1.00	20.5	Sleeve	230	2.7	UL/CSA/TUV	30.5	11"	6.49	5.84	4.67	(3.51)
150422	Jamicon 🕿	JF0625B1H	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.7	UL/CSA/TUV	30.5	10"	6.95	6.26	5.00	4.29
1536923	Jamicon	JF0625B1M	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.76	UL/CUL/TUV/CE	33.6	10"	6.95	6.49	5.75	4.95
195911	Sunon 🕿	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.84	5.26	4.73
689207	Sunon	KDE1206PTB3	12	2.36 x 2.36 x 1.00	16	Ball	70	.80	UL/CSA/TUV/CE	26	12"	5.95	5.35	4.79	4.29
395508	Sanyo	109R0612S402	1 12	2.36 x 2.36 x 1.00	23	Ball	170	2.04	UL/CSA/TUV	33	6"	5.95	5.36	4.28	3.21
401269	Delta	AFB0812LB	1 12	3.15 x 3.15 x 0.60	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	9.35	6.81	6.40	4.80
109082	Adda 🕿	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
141920	Adda ⊕ •	AD0812HB-C70	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	6.35	5.95	5.75	5.55
1537301	Panaflo	FBA08A12L	12	3.15 x 3.15 x 1.00	24	Sleeve	68	0.82	UL/CSA	21	11.5"	7.95	7.49	6.59	5.25
1537281	Panaflo	FBA08T12H	12	3.15 x 3.15 x 0.60	33.5	Sleeve	200	2.4	UL/CSA	34	12"	8.95	8.49	7.49	5.95
16994	Various ₹	FAN7315SL4*	12	3.15 x 3.15 x 1.00	25-40	Sleeve	120-200	1-2	UL/CSA	25	4-12"	6.95	6.26	5.00	3.75
75361	Various	FAN6315BL*	1 12	3.15 x 3.15 x 1.00	25-40	Ball	120-200	1-2	UL/CSA	25	4-12"	5.95	5.36	4.28	3.21
688597	NMB	3110GL-B4W-B19	12	3.15 x 3.15 x 1.00	24.7	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn.	6.95	6.25	5.49	4.69
234895	Adda 🗷	AD0812LB-A70GL	12	3.15 x 3.15 x 1.00	27.6	Ball	120	1.44	UL/CSA/TUV/CE	22.5	11.5	8.19	6.39	5.89	5.49
286926	Toyo	USTF802512MW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	6.99	6.29	5.03	3.77
154289	Sunon 2	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	7.49	6.79	5.95	4.95
			I '-	2.10 % 0.10 % 1.00	27.7	0.0000	1 .20		- 12 00.010 WOL	2 7.0	1 0.0	7.47	3.77	3.73	7.70

^{1 213428:} ATX PC type 2 249375: Speed sensor 3 662602/662645: Locked rotor alarm sensor 4 16994: Replacement for PC/XT computer power supply fan * Manufacturer & specifications may vary

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







Call for additional OEM PRICING - we carry major manufacturers.

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 Power input by lead wires or terminals
 Low acoustical noise rating

• PBT black thermo plastic frame and impeller

71 @ (€ 🕸 :







213567

234895	227901

Dt		Duraturat	I		Air Floor		0	D	A	NI-1	0		Di	cing	
Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	1	10	50	100
123530	Adda 🗷	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	\$6.95	\$6.26	\$5.00	\$3.75
265578	Yate Loon	D80SH-12	12	3.15 x 3.15 x 1.00	33	Ball	190	2.28	UL/CUL/TUV/CE	35	5"	5.29	4.76	3.81	2.86
1537387	Sunon 🗷	KD1208PTB2	12	3.15 x 3.15 x 1.00	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn.	8.95	8.09	7.49	6.95
662661	Panaflo	FBA0812H1BS ¹	12	3.15 x 3.15 x 1.00	39.6	Sleeve	250	2.08	UL/CSA	32	12"/3 leads	7.95	6.95	5.49	4.49
206181	Sunon ⊕	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	5.95	5.39	4.85	4.35
355401	ReliaPro 🕿	JR-DCF128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.05	5.10	4.80	4.56
323897	Mechatronics	F8025E12B1 ²	12	3.15 x 3.15 x 1.00	46	Ball	240	2.88	UL/CUL/TUV	32	3"/3 leads	6.99	5.09	4.79	4.45
421526	Panasonic	FBA08A12U-1AZ	1 1 12	3.15 x 3.15 x 1.00	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.69	6.02	4.82	3.61
75441	Common Wealth &		12	3.63 x 3.63 x 1.00	45	Sleeve	320	3.1	UL/CSA/TUV	32	10"	4.55	4.07	3.67	3.29
196023	Jamicon ⊕	JF0925B1M	12	3.63 x 3.63 x 1.00	45.4	Ball	200	2.4	UL/CSA/TUV	34	10"	5.49	4.94	4.44	3.93
154641	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190984	Sunon 🗷	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	7.25	6.52	5.22	4.56
162739	NMB (Smart Fan) 49	3610KL-04W-B56 [†]	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	5.72	4.29
689215	Sunon	KDE1209PTBX-6A	1 1 12	3.63 x 3.63 x 1.00	56	Ball	360	4.3	UL/CUL/CE	39	11"	7.95	7.16	5.72	4.29
102963	Nidec	TA350DC-M33503-55	1 12	3.63 x 3.63 x 1.00	1 1 56	Ball	400	4.8	UL/CSA	45	8"	7.95	7.16	5.72	4.29
689872	Mechatronic	G9225H12-B	12	3.63 x 3.63 x 1.00	93	Ball	280	3.4	UL/CUL/TUV	26	12" w/ conn.	8.49	7.59	6.65	5.59
174140	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	6.95	6.29	5.05	3.79
689231	Sunon	KDE1212PTS3-6A	12	4.68 x 4.68 x 1.00	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	8.49	7.65	6.69	5.49
227901	Common Wealth 🕿	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	10.95	9.85	8.89	7.99
363848	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	12.95	11.79	10.99	(10.99)
689856	Sunon	KDE1212PTB1-6A	12	4.68 x 4.68 x 1.00	90	Ball	400	4.8	UL/CUL/TUV/CE	44.5	12" w/ conn.	12.95	11.59	10.49	8.95
163619	NMB (Smart Fan)	4710NL012P535P0 [†]	12	4.68 x 4.68 x 1.00	90	Ball	740	8.9	None	38.5	12"	4.95	4.46	3.56	2.67
1537133	Delta	WFB1212HH	12	4.68 x 4.68 x 1.00	95.4	Ball	610	7.3	UL/CSA/CE	42.5	4" w/ conn.	10.95	10.49	9.75	7.99
686516	Adda	AD1212HB-F51	12	4.68 x 4.68 x 1.50	104.8	Ball	500	6	UL/CUL/CSA/TUV/CE	42.8	11" w/ conn.	13.95	12.49	10.95	7.95
1537221	Sunon	KDE1212PMB-6A	12	4.68 x 4.68 x 1.50	108	Ball	570	6.8	UL/CUL/CE	42	12" w/ conn.	12.95	12.49	10.95	9.25
159020	Sunon O	KDE1212PMS1-6A	12	4.68 x 4.68 x 1.50	107	Sleeve	570	6.8	UL/CSA/TUV	41	12"	10.95	9.86	7.88	5.91
285966	Delta	AFB1212VHE	12	4.68 x 4.68 x 1.50	130	Ball	900	10.8	UL/CSA/VDE/CE	48	6"	14.95	13.45	10.75	8.09
1537467	Comair	JQ12B7X	12	6.77 x 5.90 x 2.00	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12"/3 leads	69.95	62.95	56.95	52.95
687826	Sunon	KDE2404PKB2	24	1.60 x 1.60 x 0.80	7	Ball	40	1.0	UL/CUL/TUV	29	11"	7.95	7.15	6.49	5.29
687818	Sunon	KDE2406PHB3	24	2.36 x 2.36 x 0.60	15.2	Ball	50	1.2	UL/CUL/TUV	26.5	11"	8.49	7.59	6.59	5.49
421518	Panasonic	FBA06T24H	24	2.36 x 2.36 x 0.60	16.6	Sleeve	110	1.99	UL/CSA	32	11"	8.09	7.03	6.31	5.70
140661	NMB	2408NL-05W-B60	24	2.36 x 2.36 x 0.80	18.4	Ball	100	2.4	None	31	2"	5.95	5.39	4.34	3.24
174107	Jamicon	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	5.79	5.21	4.69	4.22
189861	Jamicon 🕿	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	8.06	7.25	6.52
227248	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	7.15	5.75	4.29
687797	Sunon	KDE2408PTS3-6	24	3.15 x 3.15 x 1.00	29.4	Sleeve	60	1.5	_	24.5	4" w/ conn.	8.95	7.95	6.95	5.79
290028	Jamicon	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.25	7.42	5.94	4.46
662653	Panaflo	FBO8A24M1A	24	3.15 x 3.15 x 1.00	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	7.95	5.95	4.95	4.49
136161	Jamicon 🕿	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.49	8.55	7.69	6.95
189886	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.29
695041	Sunon	KDE2409PTB1-6	24	3.63 x 3.63 x 1.00	51	Ball	140	3.4	_	37	12"	7.95	7.15	5.29	4.95
174094	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	6.95	6.26	5.63	5.07
421534	Panasonic	FBA09A25M	24	3.63 x 3.63 x 1.00	48	Sleeve	100	2.64	UL/CSA	30	10"	6.69	5.80	5.21	4.70
687762	Sunon	KDE2412PTB3-6A	24	4.68 x 4.68 x 1.00	69	Ball	130	3.1	CE	35.5	11"	10.95	9.85	8.79	7.49
249287	Jamicon	JF1225B2H5	24	4.68 x 4.68 x 1.00	83	Ball	500	12	None	41.1	7.5"	12.39	11.15	8.92	6.69
694516	Jamicon 🗷	JF1238B2LR130-065R	24	4.68 x 4.68 x 1.50	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	16.95	15.49	13.25	11.95
694444	Jamicon 🕿	JF123852MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	15.95	14.35	12.95	11.49
694524	Jamicon 🕿	JF1238B2MR130-065R	24	4.68 x 4.68 x 1.50	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	16.95	15.49	13.25	11.95
694532	Jamicon 🕿	JF1238B2HR130-065R	24	4.68 x 4.68 x 1.50	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	16.95	15.49	13.25	11.95
689063	EBM	W2G115-AG75-85	48	5.00 x 5.00 x 1.50	155	Ball	310	15	UL/CUL	52	10"/3 leads	49.95	44.95	39.39	33.95

^{1 662661:} Locked rotor alarm

DC Brushless Blowers

Part		Product	Voltage	l	Air Flow		Current	Power	Agency	Noise	Connection		Pric	ing	
Number	Manufacturer	Number	(VDC)	Size (W" x H" x D")	(CFM)	Bearing	(mA)	(Watts)	Approvals	(dBA)	(Leads)	1	10	50	100
422801	Sunon 🕿	GB1205PKV1-8AY	12	2.00 x 2.00 x 0.80	5.7	Vapo	120	1.44	UL/CSA/CE/TUV	35	12" leads	\$12.39	\$9.97	\$9.36	\$8.83
644842	Evercool	EC7530M12C-B	12	2.83 x 3.00 x 1.16	10.8	Sleeve	170	2.04	UL/CUL/CE/TUV	30	14" w/ conn.	15.55	10.93	10.27	9.68
614951	Delta	BFB0721H	12	2.98 x 2.98 x 1.20	11.3	Ball	60	0.72	UL/CSA/VDE/CE	38	12" leads	11.79	8.35	7.79	7.19
644893	Evercool	EC9733M12C-B	12	3.83 x 3.64 x 1.27	19.42	Sleeve	200	2.4	CE	30	14" w/ conn.	20.15	14.16	13.30	12.55
645028	Evercool	EC9733H12C-B	12	3.83 x 3.64 x 1.27	23.6	Sleeve	260	3.12	CE	33	14" w/ conn.	20.15	14.16	13.30	12.55
213567	Nidec	A34124-33	12	3.83 x 3.72 x 1.30	25	Ball	650	7.8	UL/CUL	60	11.5"/3 leads	16.95	15.26	12.21	9.16

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

² 323897: Speed sensor

[†] Temperature control: **162739** (50°C, 3 leads); **163619** (35°C)

❸ Blue Part No. = Limited Quantity Available







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- Low profileBall and sleeve bearings
- Power input by lead wires or terminals
- · PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumptionLow acoustical noise rating











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Part	Product	Voltage	;	Air Flow		Current	Power	Agency	Connection		Pricing	
Number	Number	(VDC)	Size (W" x H" x D")	(CFM)	Bearing	(mA)	(Watts)	Approvals	(Leads)	1	10	100
695789	032604 (CR0405HB-G70)♠	5	1.57 x 1.57 x 0.40	6.8	Ball	244	0.95	None	12"	\$8.75	\$8.44	\$7.99
695797	032622 (CR0412HB-C50) ₹ ♠	12	1.57 x 1.57 x 0.80	6	Ball	100	1.2	None	12"	8.75	7.92	7.09
695711	031156 (FS12B3)♠	12	2.36 x 2.36 x 1.00	18	Ball	142	1.7	UL/CSA/TUV/CE	12"	32.25	21.38	19.75
695703	031101 (WT12B3) ₹ ♠	12	3.15 x 3.15 x 1.26	15	Ball	420	5.1	UL/CUL/TUV	12"	32.99	32.77	32.55
695682	030615 (ST12B3) ₹ ♣	12	3.15 x 3.15 x 1.26	34	Ball	280	3.4	UL/CSA/TUV	12"	18.89	18.75	18.51
695623	028868 (MD12B2)♠	12	4.69 x 4.69 x 1.54	110	Ball	500	6	UL/CSA/TUV	Terminals	42.25	40.83	39.44
695658	028885 (MD12B5)♠	12	4.69 x 4.69 x 1.54	110	Ball	500	6	UL/CSA/TUV	12"	37.99	37.71	37.45
695771	032489 (MC12B3)◆	12	4.73 x 4.73 x 1.26	102	Ball	660	7.9	UL/CSA/TUV	12"	20.69	20.55	20.41
695754	032176 (BD12A3)♠	12	4.75 x 4.75 x 1.25	26	Sleeve	900	11	UL/CSA/TUV	12"	34.45	32.51	30.57
695800	032628 (CR0424HB-C50)♠	24	1.57 x 1.57 x 0.80	6	Ball	90	2.16	None	12"	8.71	7.89	7.06
695720	031157 (FS24B3)♠	24	2.36 x 2.36 x 1.00	18	Ball	80	1.9	UL/CSA/TUV/CE	12"	25.25	20.11	19.73
695674	030614 (ST24K3)♠	24	3.15 x 3.15 x 1.26	40	Ball	220	5.3	UL/CSA/TUV	12"	21.05	19.87	18.69
695615	028866 (MD24B1)♠	24	4.69 x 4.69 x 1.54	110	Ball	250	6	UL/CSA/TUV/CE	12"	42.19	40.82	39.44
695631	028869 (MD24B2)♠	24	4.69 x 4.69 x 1.54	110	Ball	250	6	UL/CSA/TUV/CE	Terminals	42.19	40.83	39.45
695666	030572 (MC24B3)♠	24	4.73 x 4.73 x 1.26	102	Ball	280	6.7	UL/CSA/TUV	12"	20.75	20.58	20.41
695762	032183 (SPD24B1)♠	24	6.37 x 6.37 x 2.00	60	Ball	1100	30	UL/CSA/TUV	12"	71.49	68.64	63.45
695691	031090 (JQ24B4)♠	24	6.75 x 5.90 x 2.00	235	Ball	850	20.3	UL/CSA/TUV	Terminals	69.29	67.19	65.18
695640	028870 (MD48B2) ₹ ♠	48	4.69 x 4.69 x 1.54	110	Ball	125	6	UL/CSA/TUV	Terminals	42.19	40.82	39.44

AC Tube Axial Fans



- · Rating 115 & 220VAC @ 50-60Hz
- Agency approved fans

- · Low acoustical noise rating
- Ball and sleeve bearings









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Part	Product	Voltage	-	Air Flow		Current	Power	Agency	Connection		Pricing	
Number	Number	(VAC)	Size (W" x H" x D")	(CFM)	Bearing	(mA)	(Watts)	Approvals	(Leads)	1	10	100
695535	028286 (SU2B1)♠	115	3.14 x 3.14 x 1.65	34	Ball	150	11	UL/CSA/VDE	12"	\$28.15	\$26.55	\$24.97
695543	028279 (SU2A5)♠	115	3.14 x 3.14 x 1.65	34	Sleeve	150	11	UL/CSA/VDE	Terminals	25.15	23.71	22.30
695578	028410 (SU2B5)♠	115	3.14 x 3.14 x 1.65	34	Ball	150	11	UL/CSA/VDE	Terminals	28.15	26.56	24.97
695560	028316 (MX2A3)♠	115	4.69 x 4.69 x 1.54	110	Sleeve	180	15	UL/CSA/VDE	Terminals	24.85	22.45	22.05
695586	028422 (MX2B3)♠	115	4.69 x 4.69 x 1.54	110	Ball	180	15	UL/CSA/VDE	Terminals	36.69	34.61	32.55
695501	028027 (MU2B1)♠	115	4.71 x 4.71 x 1.50	105	Ball	160	14	UL/CSA	Terminals	34.85	32.87	30.91
695498	028021 (MU2A1)♠	115	4.71 x 4.71 x 1.50	105	Sleeve	160	14	UL/CSA	Terminals	23.59	22.26	20.94
695607	028454 (BT2B1)♠	115	4.75 x 4.75 x 1.60	22	Ball	170	14.5	UL/CSA/TUV/CE	Terminals	38.85	34.70	30.57
695519	028245 (MR2B3)♠	115	6.15 x 5.92 x 2.00	235	Ball	260	31	UL/CSA/VDE	Terminals	59.09	55.76	52.44
695527	028254 (PT2B3)♠	115	6.75 dia. x 2.0 thick	235	Ball	260	31	UL/CSA/VDE	Terminals	83.89	76.26	69.91
695738	031842 (MA2B3)♠	115	6.75 x 5.92 x 2.17	300	Ball	360	50	UL/CUL/TUV/CE	Terminals	70.75	70.09	69.74
695439	020169 (TNE2C)♠	115	6.90 x 6.90 x 4.40	330	Ball	530	56	UL/CSA/TUV	12"	86.39	79.99	75.93
695455	020174 (TNE2A)♠	115	6.90 x 6.90 x 4.40	330	Ball	530	56	UL/CSA/TUV	Terminals	86.55	81.41	76.80
695463	020188 (CLE2L2)♠	115	10 dia. x 3.5 thick	550	Ball	480	34	UL/CSA/TUV/CE	24"	57.55	57.00	56.83
695471	020189 (CLE2T2) ₹ ♠	115	10 dia. x 3.5 thick	550	Ball	480	34	UL/CSA/TUV/CE	Terminals	59.35	58.95	58.55
695594	028423 (MX3B3)♠	230	4.69 x 4.69 x 1.54	110	Sleeve	90	16	UL/CSA/VDE	Terminals	36.65	34.60	32.55
695551	028309 (MR77B3)♠	230	6.75 x 5.92 x 2.00	235	Ball	140	30	UL/CSA/TUV/CE	Terminals	59.35	56.03	52.69
695746	031844 (MA77B3)♠	230	6.75 x 5.92 x 2.17	300	Ball	180	_	UL/CUL/TUV/CE	Terminals	70.69	70.19	69.74
695447	020172 (TNE3A) ₹ ♠	230	6.90 x 6.90 x 4.40	330	Ball	260	59	UL/CSA/TUV	Terminals	86.55	81.48	76.80
695480	020191 (CLE3T2)♠	230	10 dia. x 3.5 thick	250	Ball	550	_	UL/SCA/TUV/CE	Terminals	59.25	58.85	58.55



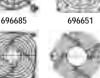
Fan **Guards**

Compatible with Comair DC and AC Fans (above)

· All guards and filters fit all fans by matching the size dimension.

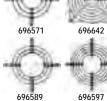


696677



696669/696634









Part No.	Product No.	Description	1	10	100
696685	572621 ₹ ♠	2.09" dia., steel nickel chrome finish	\$2.85	\$2.52	\$2.33
696651	551147≉ ♠	4.68" dia.	2.55	2.31	2.07
696571	476042₹♠	4.31" dia., steel zinc plated	1.75	1.49	1.38
696642	550481 ₹ ♠	4.68" dia.	.95	.90	.87
696677	552934₹♠	4.62" dia., steel zinc plated	2.55	2.31	2.07
696669	551199≉ ♠	6.75" dia., steel zinc plated	3.69	3.26	3.02
696634	550272♠	6.75" dia., steel zinc plated	4.05	3.64	3.36
696589	476136₹♠	8.74" dia., steel nickel chrome	6.29	5.68	5.26
696597	476323₹♠	8.25" dia., steel zinc plated	5.15	4.66	4.31

♠ This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.







Call for additional OEM PRICING - we carry major manufacturers.

- Rating 115 & 220VAC @ 50-60Hz
- · Low acoustical noise rating
- · Agency approved fans
- · Ball and sleeve bearings Air flow from 11 to 226 CFM







Pricing

		(4) (
2600	275792	

Part		Product	Voltage		Air Flow		Current	Power	Agency	Noise	Connection	onnection Prio		cing	
Number	Manufacturer	Number	(VAC)	Size (W" x H" x D")	(CFM)	Bearing	(mA)	(Watts)	Approvals	(dBA)	(Leads)	1	10	50	100
213867	Fulltech 2	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$15.95	\$14.39	\$12.95	\$11.65
162704	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12" leads	15.49	13.95	12.55	11.64
146078	Common Wealth 🗷	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12" leads	12.95	11.69	10.49	9.45
300557	Fulltech 🗶	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	9.19	8.25	7.98	7.70
300258	Fulltech 🕿	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	10.19	9.18	8.87	8.57
300581	Fulltech ⊕	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.59	8.64	8.35	8.06
300303	Fulltech 🕿	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	10.55	9.50	9.19	8.87
300329	Fulltech ⊕	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	10.55	9.50	9.19	8.87
300600	Fulltech 2	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	11.39	10.26	9.59	9.09
300388	Fulltech 🕀 🖸	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10
297932	Fulltech ⊕	UF80A11SWH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	12" leads	10.19	9.18	8.99	8.57
303394	Fulltech ⊙	UF80A11STL	115	3.15 x 3.15 x 1.50	25	Sleeve	100	11.5	UL/CUL/TUV/CE	32	Terminals	8.95	8.15	7.37	6.70
75460	Sunon 🗷	SF11592A-1092HBT	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	15.95	14.39	12.95	11.65
75432	Sunon ⊕	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	13.55	12.19	10.99	9.85
303467	Sunon 2	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	14.99	14.39	12.99	10.99
124063	Sunon 2	SP101AT1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	13.49	10.95	9.89	9.19
303408	Sunon 🗷	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	14.95	13.95	12.95	11.95
303415	Common Wealth 🕀	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	15.26	12.20	9.46
303482	Fulltech ⊕	UF12A11SWL	115	4.68 x 4.68 x 1.50	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.85	11.54	10.77	10.23
303361	Fulltech 🗷	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	12.85	11.54	10.76	10.23
300792	Fulltech 🗶	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19
111895	Common Wealth 🕿		115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	13.95	12.59	11.35	10.19
106585	Common Wealth 🟵	FP108-1-S1/T	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	15.95	14.35	11.48	8.61
16935	Common Wealth 🕿	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	15.29	13.75	12.39
212600	Fulltech 🗶	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	12.95	11.95	10.95	9.95
275792	Sunon	SP101A-1123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CUL/CE	50	Terminals	13.45	11.21	9.88	9.19
206309	Adda 🗶	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.00	10.76	8.07
102884	Sunon 🕿	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	14.95	13.95	12.95	11.95
108725	Fulltech 🗶	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	27.95	25.16	20.12	17.91
212582	Fulltech 🗶	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	24.95	22.46	21.99	21.52
189683	Fulltech ⊕	UF15PC11BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	29.95	26.96	21.56	19.15
355629	Fulltech ⊕	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.39	10.26	9.75	9.26
100918	Sunon 2	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	10.49	8.39	7.55	6.40
209365	Bi-Sonic ⊕	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10" leads	12.95	11.66	9.71	9.22
302244	Rotron	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	17.19	15.49	12.38	9.29
303458	Sunon ⊕ 🌣	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102892	Sunon 2	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65

Blue Part No. = Limited Quantity Available

Fan Guards, Filters and Power Cords

Part No.

123502

Description

Quantity SAVE

10

100

250

.53

.59

(.44)

.53

.79

.79

1.06

.95

.95

1.25

(1.59)

2.49



· All guards and filters fit all fans by matching the size dimension. Example: P/N 300557 fan (3.15") matches P/N 31923 metal guard (3.15").



123502

138562/196817

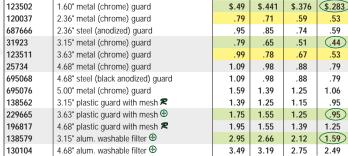


120037









Fan Power Cords: 24" Straight and Right-Angle

• Cord type: SPT-1 (2) conductor black • Voltage rating: 300V • Temperature range: 60°C • Fits all terminal fans ◆ Blue Part No. = Limited Quantity Available

138579/130104

oora type.	of 1 (2) conductor black voltage	rating. 500 v	remperar	idic runge.	00 0 111	3 un terriniu
Part No.	Description	Length	1	10	100	250
28564	Straight socket cord ⊕	24"	\$.99	\$.88	\$.70	\$.62
104192	90° angle socket cord ⊕ 🌣	24"	.99	.88	.71	.70
696562	Comair Rotron 90° angle socket cord ₹ ♠	24-26"	1.39	1.23	1.15	1.12



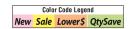


🗷 RoHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

30 to 65-Watt Medical Switching AC-to-DC Power Supplies

c**¶**us ♠ C €



△CE

30-Watt Open Frame, Low Leakage

MPS-30 Series: Single Output

- 100% full load burn-in test
- Universal AC input
- · High-efficiency, low heat generation
- Working temperature: -10°C to + 50°C
- See www.Jameco.com for specs.
- Load regulation: ±1.0%
- Line regulation: ±1.0%
- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Isolation voltage: 4000VAC
- Mounting holes: 3.74"L x 2.02"W x 0.12"Dia.
- 2.9 watts/in³ maximum
- Mating connectors: P/Ns 104723 & 104432, pg 133
- Three-year warranty Weight: 0.3 lbs.
- Size: 4.0"L x 2.59"W x 0.98"H

The Mean Well MPS-30 medical power supplies are low cost, high reliability open frame power supplies that feature a low leakage current of 0.3mA@240VAC. Other features of this open frame power supply are: universal input of 88-264VAC as well as 120-370VDC for battery-supported applications. Protections include short-circuit, overload, and over-voltage. They are UL and TUV approved, and carry a CE mark for use worldwide.

45 & 65-Watt Open Frame, Low Leakage

MPS-45 & MPS-65 Series: Single Output

- 100% full load burn-in test
- · Universal AC input
- · High-efficiency, low heat generation
- Isolation voltage: 4000VAC
- 2.9 watts/in3 max.
- Voltage adjustment: 10%
- · Working temperature: -10°C to + 60°C
- See <u>www.Jameco.com</u> for specs.
 Leakage current: 0.3mA @ 240V
- Leakage current: 0.3mA @ 240\
 Inrush current: 20A @ 120VAC
- Line regulation: ±1.0%
- Load regulation: ±2.0%, except 221058, 221146: ±3.0%
- Soft-start circuit, limiting AC surge current
- Mating connectors: P/Ns 104432 and 104731, pg 133
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty Weight: 0.6 lbs.
- Size: MPS-45: 5.0"L x 3.0"W x 1.06"H; MPS-65: 5.0"L x 3.0"W x 1.65"H

The MeanWell MPS-45 & MPS-65 medical power supplies are low cost, high reliability open frame power supplies. Other features of these power supplies are: universal input of 88-264VAC, as well as 120-370VDC for battery-applications. Full rated power is available with 18CFM forced air convection applied. Protections include short-circuit, overload, and over-voltage.

Power Supplies Index

For Complete Specifications visit <u>www.Jameco.com</u>.

Jameco			Output		Input	Ripple & Noise			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(mV p-p)*	Certification	1	10	25
220987	Mean Well 🕿	MPS-30-12	+12V@0-2.5A	30.0W	88-264@47-63	120	UL/CUL/TUV/CE	\$33.95	\$30.49	\$25.59
221058	Mean Well 2	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221066	Mean Well ₹	MPS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221082	Mean Well 2	MPS-45-15	+15V@0-3A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221112	Mean Well 2	MPS-45-48	+48V@0-1A +7.5V@0-8A Call for special versions and large	48.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	28.31
221146	Mean Well ₹	MPS-65-7.5	+7.5V@0-8A versions and large	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221154	Mean Well 2	MPS-65-12	+12V@0-5.2A versions quantities	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221162	Mean Well ₹	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	33.95	28.86	21.64
221189	Mean Well 🕿	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	30.56	22.92

^{*} Primary Output

JAMECO ValuePro 3-Conductor Power Cords • Molded connectors • Voltage rating: 300 volts • Excellent resistance to jacket abrasion • Temperature: -20°C to +60°C

							-//		- 46	y 1	
With Pigta	il				C	ord w/	Pigtail ((Fig. 1)	Hospita	l Grade (Fig. 2)
	Cross						Cord		Pric	ing	
Part No.	Ref. No.	Wt.	Fig.	Length	Color	AWG	Type*	1	10	50	100
38009	17237 🕿	.31	1	6'	Gray	18/3	SVT	\$2.39	\$2.15	\$1.72	\$1.29
37997	17236 🕿	.30	1	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
With Hosp	ital Grade N	/lale	(gre	en dot,)						
132011	17006G 🗷	.82	2	10'	Gray	16/3	SJT	\$8.45	\$7.61	\$6.84	\$6.16
115078	17006 🗷	.84	2	10'	Black	16/3	SJT	8.95	8.09	7.25	6.55

Medical Table-Top and Wall Switching AC-to-DC Power Supplies See page 237

*Thermoplastic Cord Jacket Type: SVT (Round): Light service; SJT (Round): Junior service



•	
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ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.





Ultraminiature 5 to 20-Watt Power Supplies

- 100% full burn-in test
- · Three year warranty
- Ultra miniature size and lightweight



• Short-circuit/overload/overvoltage/overtemperature protection





5-Watt NFM-5000 Series

• Size: 2.28"L x 1.77"W x 0.75"H • Inrush current: 25A @ 115VAC

• Pin-mount

10-Watt NFM-0100 Series • Size: 2.56"W x 1.77"L x 0.87"H • Inrush current: 25A @ 115VAC

· Pin-mount

15-Watt NFM-1500 Series • Size: 2.76"L x 1.89"W x 0.87"

• Inrush current: 30A @ 115VAC

· Pin-mount

20-Watt NFM-0200 Series • Size: 3.0"L x 2.0"W x 0.76"

Mating connector: P/Ns 463435 & 463443, pg 135

• Inrush current: 30A @ 115VAC • Chassis-mount

							1		
Jameco		Output		Load	Line	Ripple & Noise		Pricing	
Part No.	Product No.	Voltage@Current (min-max)	Power	Regulation	Regulation	(mV p-p)	1	10	25
694962	NFM-05-3.3 ₹	+3.3V@0-1.25A	4.13W	±1.5%	±1.0%	80	\$22.99	\$20.99	\$18.99
694971	NFM-05-5 ₹	+5V@0-1A	5.0W	±1.5%	±1.0%	80	22.99	20.99	18.99
694989	NFM-05-12 ₹	+12V@0-0.42A	5.04W	±0.5%	±0.5%	150	22.99	20.99	18.99
695009	NFM-05-15 🕿	+15V@0-0.33A	4.95W	±0.5%	±0.5%	150	22.99	20.99	18.99
694997	NFM-05-24 2	+24V@0-0.23A	5.52W	±0.5%	±0/.5%	240	22.99	20.99	18.99
695084	NFM-10-3.3 ₹	+3.3@0-2.5A	8.25W	±1.0%	±1.0%	80	26.99	24.99	22.99
695092	NFM-10-5 ₹	+5V@0-2A	10.0W	±1.0%	±1.0%	80	26.99	24.99	22.99
695105	NFM-10-12 ₹	+12V@0-0.85A	10.2W	±0.5%	±0.5%	150	26.99	24.99	22.99
695113	NFM-10-15 ₹	+15V@0-0.67A	10.05W	±0.5%	±0.5%	150	26.99	24.99	22.99
695121	NFM-10-24 2	+24V@0-0.42A	10.08W	±0.5%	±0.5%	240	26.99	24.99	22.99
695148	NFM-15-3.3 ₹	+3.3V@0-3.5A	11.55W	±1.0%	±1.0%	80	30.39	27.99	25.99
695130	NFM-15-5 ₹	+5V@0-3A	15.0W	±1.0%	±1.0%	80	30.39	27.99	25.99
695156	NFM-15-12 🗷	+12V@0-1.25A	15.0W	±0.5%	±0.5%	150	30.39	27.99	25.99
695164	NFM-15-15 ₹	+15V@0-1A	15.0W	±0.5%	±0.5%	150	30.39	27.99	25.99
695172	NFM-15-24 🕿	+24V@0-0.63A	15.12W	±0.5%	±0.5%	240	30.39	27.99	25.99
695181	NFM-20-3.3 2	+3.3V@0-4.5A	14.85W	±1.0%	±1.5%	80	33.99	31.99	29.99
695199	NFM-20-5 ₹	+5V@0-4.4A	22.0W	±1.0	±1.5%	80	33.99	31.99	29.99
695201	NFM-20-12 🗶	+12V@0-1.8A	21.6W	±0.5%	±0.5%	150	33.99	31.99	29.99
695210	NFM-20-15 2	+15V@0-1.4A	21.0W	±0.5%	±0.5%	150	33.99	31.99	29.99
695228	NFM-20-24 🕿	+24V@0-0.92A	22.08W	±0.5%	±0.5%	240	33.99	31.99	29.99

	Other Manufacturers - Special Offers at Great Savings - 90-Day Warranty										
Jameco		Output		Load	Line	Ripple & Noise		Pricing			
Part No.	Cross Ref. No.	Voltage@Current (min-max)	Power	Regulation	Regulation	(mV p-p)	1	10	25		
300484	OFM-1502⊕	+12V@0-1.25A	15W	±1%	±0.3	150	\$40.85	\$34.75	\$26.05		
300521	OFM-0202	+12V@0-1.8A	20W	±1%	±0.3%	150	43.69	40.85	38.81		
300530	OFM-0203⊕	+15V@0-1.4A	20W	±1%	±0.3%	150	43.69	37.15	27.85		
300548	OFM-0205⊕	+24V@0-0.92A	20W	±0.5%	±0.2%	240	45.09	38.32	28.74		



25-Watt Open-Frame Power Supplies

Enclosed Power Supplies on pages 219-226.

PS-25 & PD-25 Series: Single & Dual Outputs • 100% full-load burn-in • Universal AC input

· Inrush current: 40A @ 120VAC

• Working temp.: -10°C to +60°C

Size: 4.20"L x 2.40"W x 1.10"H

· Two-year warranty

	Part	Load Reg.	Line Reg.	Part	Load Reg.	Line Reg.	Part	Load Reg.	Line Reg.
•	Number	(±%)	(±%)	Number	(±%)*	(±%)*	Number	(±%)*	(±%)*
	212362	2.5	0.5	216769	1.0	0.3	212338	1.0	0.5
	212354	2.0	0.5	212346	0.5	0.2	212330	1.0	0.5
	392826	2.0	0.5	392818	0.5	0.2	394250	4.0	2.0
	148604	1.0	0.3	212312	4.0	1.0	148690	3.0	0.5
	392810	1.0	0.3	* Drimary C	lutnut				



Jameco			Output	Input	Ripple & Noise			Pricing		
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(mV p-p)*	Certification	1	10	25
212362	Mean Well ≉	PS-25-3.3	+3.3V@0-5A	16.5W	85-264@47-63	80	UL/CUL/TUV/CE	\$28.15	\$26.19	\$24.25
212354	Mean Well ≉	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
392826	Mean Well ₹	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
148604	Mean Well ≈	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
392810	Mean Well ₹	PS-25-13.5	+13.5V@0-1.9A	25.7W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
216769	Mean Well ₹	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	100	UL/CUL/TUV/CE	16.95	16.10	15.30
212346	Mean Well ≈	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
392818	Mean Well ₹	PS-25-27	+27V@0-0.9A	24.3W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
212312	Mean Well ₹	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	19.95	16.96	12.72
212338	Mean Well ₹	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
212330	Mean Well ₹	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
394250	Mean Well ₹	PD-2503	+3.3V@0.2-5A; +5V@0.1-4A	24.9W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
148690	Mean Well ₹	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

15 to 65-Watt Open-Frame Switching AC-to-DC Power Supplies

Color Code Legend New Sale Lower'S OtySave

Enclosed Power Supplies on pages 219-226.

15 to 65-Watt Open-Frame Power Supplies

100% full burn-in test

· Universal AC input

45-Watt

PSA45 Series:

Triple Outputs

 Load regulation: ±2.0% Isolation voltage: 3,000 VAC • Inrush current: 30A @ 120VAC • Voltage adjustment: 5% (PSA15 only) c Nus (C €

• Working temp.: 0° to +40°C • One-year warranty

Size: 4.33"L x 1.57"W x 0.91"H, except 230536 3.6"L x 2.5"W x 1.1"H



15 & 25-Watt PSA15 & PSA25 Series: Single & Triple Outputs

Load regulation: ±2.0%

• Line regulation: ±2.0% Inrush current: 20A @ 120VAC Working temp.: 0° to +50°C • Size: 5.0"L x 3.0"W x 1.2"H

Weight: 0.9 lbs.





45-Watt PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

One-year warranty

 Load regulation: ±3.0% (except 213728/213720//374362: ±2.0%) Line regulation: ±1.0% · Voltage adjustment: 10%

 Inrush current: 20A @ 120VAC Working temp.: -10°C to +60°C Size: 5.0"L x 3.0"W x 1.06"H

Two-year warranty



65-Watt PS-65, PD-65 & PT-65 Series: Single, **Dual & Triple Outputs**

Load & Line regulation: ±1.0% to ±4.0%

Voltage adjustment: 10%

· Inrush current: 20A @ 120VAC Working temp.: -10°C to +60°C

Two-year warranty

· Weight: 0.6 lbs.

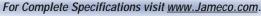












Size: 5.0"L x 3.0"W x 1.65"H

						Dinnlo 0				
Jameco			Output		Input	Ripple & Noise			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(mV p-p)*	Certification	1	10	25
229041	Phihong ®	PSA15LN3-050	+5V@0-3A	15.0W	90-264@47-63	50	UL/CUL/TUV/CE	\$19.95	\$18.95	\$18.19
229060	Phihong 🕿	PSA15LN3-120	+12V@0-1.25A	15.0W	90-264@47-63	120	UL/CUL/TUV/CE	17.95	16.95	16.19
230536	Phihong 🕿	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25.0W	90-264@47-63	50	UL/CUL/TUV/CE	23.49	21.15	18.99
229122	Phihong 🕿	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	50	UL/CSA/TUV/CE	31.95	28.79	25.89
229140	Phihong 🕿	PSA4534	+5V@0-4A; +15V@0-1.2A; -15V@0-0.5A	45.5W	90-264@47-63	50	UL/CSA/TUV/CE	29.95	27.38	24.80
217332	Mean Well ₹	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	100	UL/CUL/TUV/CE	22.95	19.51	14.63
213728	Mean Well ₹	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	25.99	18.99	15.99
374353	Mean Well ₹	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
213720	Mean Well ₹	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
374362	Mean Well ₹	PS-45-27	+27V@0-1.95A	45.9W	90-264@47-440	100	UL/CUL/TUV/CE	25.99	18.99	15.99
194862	Mean Well ≉	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
194871	Mean Well ₹	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	20.99	17.99
88402	Mean Well ₹	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	50	UL/CUL/TUV/CE	29.95	23.09	20.89
201938	Mean Well ≉	PS-65-5	+5V@0-12A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
148639	Mean Well ₹	PS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
374380	Mean Well ₹	PS-65-13.5	+13.5V@0-5.4A Call for special	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
216751	Mean Well ≉	PS-65-15	115V@0 1 21	63.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.99	23.95	19.95
148647	Mean Well ₹	PS-65-24	+24V@0-2.7A versions entities	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
201946	Mean Well ₹	PS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	23.95	19.95
201954	Mean Well ≉	PS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
194889	Mean Well ₹	PD-65A	+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
194897	Mean Well ₹	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
216734	Mean Well ≉	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
216726	Mean Well ₹	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
215707	Mean Well ₹	PT-65D	+5V@0.5-4A; +12V@0.2-2A;	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.45	20.19
			+24V@0.2-1A							
394222	Mean Well ⊕	PT-6503	+3.3V@0-7A; +5V@0.2-10A; +12V@0-1.2A	61.8W	90-264@47-63	50	UL/CUL/TUV/CE	51.35	43.65	32.74

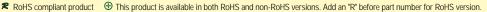
Primary Output

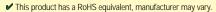
Other Manufacturers - Special Offers at Great Savings - 90-Day Warranty														
Jameco			Output		Input	Size Inches	Mounting Holes	Ripple & Noise	1	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(LxWxH)	(L"xW"xDia.")	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
218510	Artesyn 🖸	NFS40-7605	+5.1V@0-6A	30.6W	85-264@47-440	5.0x3.0x1.2	4.6x2.6x0.16	100	2.0	0.2	UL/CSA/VDE/CE	\$41.99	\$38.99	\$35.96
210841	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	17.95	15.29	11.44
664270	Power-One	MAP40-3100	+5V@3A; +12V@2A; -12V@0.3A	40.0W	85-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	50	2.0	0.2	UL/CSA/TUV/CE	39.95	34.95	29.95
622539	Phihong 🗸	PSA-4034	+5.1V@.5-3A; +15V@.2-2A; -15@0.5A	40.0W	90-264@47-63	5.0x3.0x1.2	4.5x2.6x0.16	50	_	_	UL/CSA/VDE/CE	24.95	21.21	15.95

❸ Blue Part No. = Limited Quantity Available

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CE CB



65 to 110-Watt Open-Frame Power Supplies

Enclosed Power Supplies on pages 219-226

100% full burn-in test





· Short-circuit/overload/overvoltage protection

• Line regulation: ±1.0% Input: 90-264VAC @ 47-440Hz; 127-370VDC Load regulation: ±2.0% • Working temp.: -20°C to +60°C

• Size: 5.0"L x 2.0"W x 1.1"H

Mating connectors: P/Ns 236152 & 236187, pg 134
 Two-year warranty

RPD-65 Series: Dual Output • 60W free air convection; 77W with 18 CFM forced air RPT-65 Series: Triple Output • 65W free air convection; 80W with 18 CFM forced air





100-Watt

LPS-100 &

LPP-100 Series:

Single Output

 Universal AC input • Line regulation: ±1.0%

· Built-in remote ON/OFF • Load regulation: ±2.0% Voltage adjustment: 10%

• Inrush current: 24A @ 120VAC • Two-year warranty • Size: 8.74"L x 2.16"W x 1.18"H • Weight: 0.5 lbs.

• Working temp.: -20°C to +60°C

 Auto-switch AC input
 No minimum load required c Alus (A) CE • Line regulation: ±0.5% • Voltage adjustment: 10% • Three-year warranty Working temp.: -10°C to +60°C • Síze: 8.74"L x 2.44" x 1.25"W • Weight: 0.8 lbs.

• Load regulation: ±1.5%,except 173463: ±0.5% • Inrush current: 30A @ 120VAC

LPP-100 Series: with Power Factor Correction

• 4.4 watts/in³ maximum • Load regulation: ±0.5% Isolation voltage: 3000VAC

• Inrush current: 40A @ 120VAC • Leakage current: 2.0mA @ 240V

• Mounting holes: 8.34"L x 2.04"W x 0.13"Dia. Mating connector: P/N 215950, pg 133

110-Watt PD-110B Series: **Dual Outputs**

Universal AC input

· Cooling by free air convection • Ripple and noise: 100mVp-p

 Load and line regulation: ±1.0% Short-circuit/overload/overvoltage protection

• Working temperature: -10°C to +50°C • Size: 7.0"L x 4.3"W x 1.8"H

c Rus (A) CE







PD-110B

For Complete Specifications visit www.Jameco.com.

Jameco			Output	Input	Ripple & Noise			Pricing		
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(mV p-p)*	Certification	1	10	25
668781	Mean Well ≉	RPD-65C	+5V@0-1.5A; +12V@0-5.8A	60.0W	90-264@47-440	120	UL/CUL/TUV/CE/CB	\$35.35	\$33.19	\$31.35
668799	Mean Well ₹	RPD-65D	+5V@0-1.5A; +24V@0-2.9A	60.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	35.35	33.19	31.35
668801	Mean Well ≉	RPT-65E	+5V@0-1.5A; +12V@0.18-5.8A; -5V@0-0.7A	62.5W	90-264@47-440	120	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
668810	Mean Well ₹	RPT-65F	+5V@0-1.5A; +12V@0.18-5.8A; -12V@0-0.7A	66.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
668828	Mean Well ₹	RPT-65G	+5V@0-1.5A; +12V@0-0.7A; +24V@0.09-2.9A	66.0W	90-264@47-440	150	UL/CUL/TUV/CE/CB	37.65	35.45	33.45
244727	Mean Well ₹	LPS-75-24	+24V@0-3.5A	76.8W	90-264@47-63	120	UL/CUL/TUV/CE	34.95	29.95	25.95
173472	Mean Well ₹	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
374345	Mean Well ₹	LPS-100-13.5	+13.5V@0-7.5A Call for special	101.3W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
173463	Mean Well ₹	LPS-100-24	+24V@U-4.2A	100.8W	88-264@47-63	150	UL/CUL/TUV/CE	52.95	48.39	42.89
216710	Mean Well ₹	LPS-100-48	+48V@0-2.1A versions quantities	100.8W	88-264@47-63	200	UL/CUL/TUV/CE	52.95	45.01	33.76
216689	Mean Well ₹	LPP-100-12	+12V@0-8.5A	102.0W	85-264@47-63	100	UL/CUL/TUV/CE	57.39	51.65	46.49
204611	Mean Well ₹	LPP-100-24	+24V@0-4.2A	100.8W	85-264@47-63	150	UL/CUL/TUV/CE	64.95	55.21	41.41
375056	Mean Well ⊕	PD-110B	+5V@0.5-5A; +24V@0.5-3.5A	109.0W	100-264@47-63	100	UL/CUL/TUV/CE	55.95	47.56	35.67

Primary Output

			Other Manufacturers -	- Spec	cial Offers a	at Great	Savings –	90-Day	v Wa	rrani	ty	Quantity	SAVE	
Jameco			Output		Input	Size Inches	Mounting Holes	Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(LxWxH)	(L"xW"xDia.")	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
673934	Martek	PVI-50-46BUB	+5V@6.5; +3.3@2.5; +12@0.8; -12@0.5	57.0W	100-240@50-60	8.1x3.2x1.5	_	_	_	_	UL/CUL/CSA/TUV/CE	\$15.95	\$13.95	\$11.49
226211	Phihong 🗸	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDE	29.95	25.46	19.09
171731	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A	65.0W	90-270@47-63	5.8x3.3x1.4	_	50	2.0	2.0	UL/CUL/TUV	7.95	6.76	5.07
692377	Autec	UPS65-1002	+5V@0.5-3.5A; +12V@0.1-4A	65.0W	90-260@47-63	6.0x3.5x1.5	4.8x3.2x0.16	50	2.0	0.5	UL/CSA/TUV	15.95	14.35	12.59
235088	Artesyn	NLP65-7629	+5V@0-7A; +12V@0-2.5A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/CE	28.35	25.75	23.45
			-12V@0.8A											
229850	IPD Power ✔	SRW-65-3003	+5V@5A; +15V@3.5A; -15V@1A	65.0W	85-264@47-63	6.0x4.0x1.1	5.7x3.5x0.15	50	1.0	_	UL/CUL/TUV/CE	22.95	19.51	14.63
218915	Artesyn 🖸	NLP110-9605	+5V@0.5-15A	75.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/VDE	59.59	52.73	47.46
218931	Artesyn 🖸	NLP110-9624	+24V@0.2-3.2A	76.8W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	240	2.0	2.0	UL/CUL/CSA/VDE	78.15	70.31	63.28
202876	Power-One	MAP80-4003	+5V@14A; +15V@3.5A;	80.0W	100-230@47-63	7.2x4.3x1.8	6.7x3.2x0.17	50	1.0	0.2	UL/CSA/TUV/CE	19.95	16.96	12.72
			-5V@1A; -15V@1A											
237024	Lite-On ♥	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	_	1200	10.0	1.0	UL/CUL/TUV/CE	19.95	16.96	12.72
218940	Artesyn 🌣	NLP110-9693	+3.3V@0.2-13A; +5V@0.5-13A; +12V@0-0.65A	110.0W	90-264@47-63	6.5x3.0x1.3	6.1x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/VDE	78.15	70.31	63.28
645298	Mean Well	PQ-100DTR	+5V@5A; +12V@2A; +24V@2A; -12V@,3A	103.0W	100-264@47-63	7.0x4.3x1.8	6.5x3.8x0.16	80	1.0	1.0	_	44.95	38.25	28.65

♥ Blue Part No. = Limited Quantity Available Primary Output

✓ This product has a RoHS equivalent, manufacturer may vary.

110 to 350W Open-Frame Switching AC-to-DC Power Supplies

Color Code Leaend New Sale Lower\$ QtySave

125 to 350-Watt Open-Frame Power Supplies w/ Power Factor Correction

100% full burn-in test

• Line regulation: ±0.5%

· Three-year warranty

Enclosed Power Supplies on pages 219-226



125-Watt PPS-125 & PPT-125 Series: Single & Triple Outputs

 Universal AC input • Size: 5.0"L x 3.0"W x 1.4"H

PPS-125 Series: Single Output • Load regulation: ±1.0% • Working temp.: -40°C to +85°C PPT-125 Series: Triple Output • Load regulation: ±3.0% • Working temp.: -20°C to +60°C



150-Watt LPP-150 Series: Single Output

· Voltage adjustment: 10%

Working temp.: -10°C to +60°C

· Auto-switch AC input Load regulation: 213681, 375065 & 392771: ±1.0%; 213672, 216646 & 392789: ±0.5%



200-Watt PPS-200 Series: Single Output

• High efficiency up to 90% (typical) • PWM control & regulated Free air convection for 150W; 20.5 CFM forced air for 200W

· Load regulation: ±1.0%

Short-circuit/overload/overvoltage protection

Mating connectors: P/N 215950 & 215968, pg 134

· Mating connectors: P/N 236152, pg 134

 Working temp.: -20°C to +70°C • Size: 5.0"L x 3.0"W x 1.4"H





225 & 350-Watt U Bracket Type USP-225 & USP-350 Series: Single Output

 Active AC surge current limiting Load regulation: ±1.0% Short-circuit/overload/overvoltage/overtemperature protection

USP-225 Series: Single Output • Size: 8.0"L x 4.0"W x 1.5"H

Free air convection for 150W and forced air convection for 225W

Free air convection for 300W; 23.5 CFM forced air for 350W

 Mating connectors: P/N 236152 or 463435 (input), pg 135; P/N 303651 (output), pg 135 Working temp.: -20°C to +65°C

USP-350 Series: Single Output • Size: 9.3"L x 4.0"W x 1.5"H

2.0

240

UL/CSA/VDE/CE

Size: 8.74"L x 2.95"W x 1.61"H





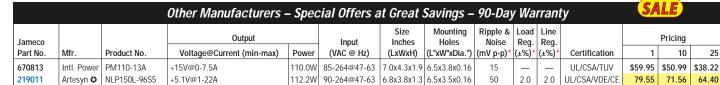


Working temp.: -10°C to +65°C

Lower \$\$\$

For Complete Specifications visit www.Jameco.com.

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Jameco			Output		Input	Ripple & Noise			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(VAC @ Hz)	(mV p-p)*	Certification	1	10	25
374089	Mean Well ≈	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	\$93.99	\$79.84	\$74.45
374097	Mean Well ₹	PPS-125-15	+15V@0-8.4A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	93.99	79.84	74.45
301429	Mean Well ₹	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	150	UL/CUL/TUV/CE	93.99	79.84	74.45
301487	Mean Well ⊕	PPT-125B	+5V@1-14.4A; +12V@.3-3.8A; -12V@.0563A	124.5W	90-264@47-63	100	UL/CUL/TUV/CE	103.55	79.86	74.45
213681	Mean Well ₹	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	68.45	64.60	61.37
392771	Mean Well ₹	LPP-150-13.5	+13.5V@0-11.2A	151.2W	85-264@47-63	100	UL/CUL/TUV/CE	69.95	63.95	53.95
375065	Mean Well ≉	LPP-150-15	+15V@0-10.0A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	68.45	64.60	61.37
213672	Mean Well ₹	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	150	UL/CUL/TUV/CE	68.45	64.60	61.37
392789	Mean Well ₹	LPP-150-27	+27V@0-5.6A +27V@0-3.6A Call for special	151.2W	85-264@47-63	150	UL/CUL/TUV/CE	69.95	53.89	47.29
216646	Mean Well ≈	LPP-150-48		153.6W	85-264@47-63	250	UL/CUL/TUV/CE	68.45	64.60	61.37
668705	Mean Well ₹	PPS-200-5	+5V@0-36A versions quantities	180.0W	90-264@47-63	80	UL/CUL/TUV/CE	109.89	99.69	94.15
668713	Mean Well ₹	PPS-200-12	+12V@0-16.6A	199.2W	90-264@47-63	100	UL/CUL/TUV/CE	105.89	99.69	94.15
668721	Mean Well ₹	PPS-200-15	+15V@0-13.3A	199.5W	90-264@47-63	100	UL/CUL/TUV/CE	158.95	149.65	141.35
668730	Mean Well ₹	PPS-200-24	+24V@0-8.3A	199.2W	90-264@47-63	150	UL/CUL/TUV/CE	158.95	149.65	141.35
668748	Mean Well ₹	PPS-200-27	+27V@0-7.4A	199.8W	90-264@47-63	150	UL/CUL/TUV/CE	158.95	149.65	141.35
694452	Mean Well ₹	USP-225-3.3	+3.3V@0-40A	132.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25	100.88
694461	Mean Well ₹	USP-225-5	+5V@0-40A	200.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25	100.88
694479	Mean Well ₹	USP-225-12	+12V@0-18.7A	224.4W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25	100.88
694487	Mean Well ≈	USP-225-15	+15V@0-15A	225.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	126.99	121.25	100.88
694495	Mean Well ₹	USP-225-24	+24V@0-9.4A	225.6W	90-264@47-63	150	UL/CUL/TUV/CE/CB	126.99	121.25	100.88
694508	Mean Well ₹	USP-225-48	+48V@0-4.7A	225.6W	90-264@47-63	250	UL/CUL/TUV/CE/CB	126.99	121.25	100.88
694399	Mean Well ₹	USP-350-3.3	+3.3V@0-70A	231.0W	90-264@47-63	80	UL/CUL/TUV/CE	203.59	197.49	191.55
694401	Mean Well ₹	USP-350-5	+5V@0-70A	350.0W	90-264@47-63	80	UL/CUL/TUV/CE	203.59	197.49	191.55
694410	Mean Well ₹	USP-350-12	+12V@0-29.2A	350.4W	90-264@47-63	100	UL/CUL/TUV/CE	203.59	197.49	191.55
694428	Mean Well ₹	USP-350-15	+15V@0-23.4A	351.0W	90-264@47-63	100	UL/CUL/TUV/CE	203.59	197.49	191.55
694436	Mean Well ₹	USP-350-24	+24V@0-14.6A	350.4W	90-264@47-63	150	UL/CUL/TUV/CE	203.59	197.49	191.55
668756	Mean Well ₹	USP-350-48	+48V@0-7.3A	300.0W	90-264@47-63	150	UL/CUL/TUV/CE	203.59	197.49	191.55
* Primary Outpu	t				<u> </u>					



Artesyn **②** NLP150L-96S8 Pull = Extra Savings Primary Output

110.4W

+24V@0.15-4.6A

25

75.14

219002

^{90-264@47-63 | 6.8}x3.8x1.3 | 6.5x3.5x0.16 Blue Part No. = Limited Quantity Available

ROHS compliant product 🕒 This product is available in both ROHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS Compliant Product RoHS Also Available

CE CB

c**91** us 🚇

C€ CB

25-Watt Enclosed

RS-25 Series: Single Output

- New smaller design: 3.0" x 2.0" x 1.1"
- 3.66 watts/in³ power density
- · 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- · Short-circuit/overload/ overvoltage protection
- · 105°C output capacitor
- · Withstanding voltage of 300VAC surge input for 5 seconds

- · High operating temperature up to 70°C
- · Three-year warranty

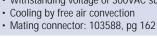
25-Watt Enclosed

S-25 Series: Single Output

- · 100% full-load burn-in
- · Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- · No minimum load required
- 1.2 watts/in3 maximum
- Voltage adjustment: 10%
- Mating connector: 103588, pg 162
- Working temperature: -10°C to +60°C
- · Mounting hardware: use P/Ns 222121,
 - 222156, 222172 & 222164 (see web)



A ((



35-Watt Enclosed



RS-35 & RD-35 Series: Single & Dual Output

- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- · 100% full-load burn-in
- · Universal AC input: 88-264VAC @ 47-63Hz
- · Short-circuit/overload/ overvoltage protection
- · 105°C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- · Cooling by free air convection

- High operating temperature up to 70°C
- Three-year warranty

40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- · 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz. 120-370VDC
- 1.6 watts/in³ maximum
- · Voltage adjustment: 10%
- · Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +60°C
- · Mounting hardware: use P/Ns 222121, 222156 & 222172 (see web)
- See www.Jameco.com for specifications Two-year warranty





• Mating connector: 103588, pg 162 Open-Frame Power Supplies

For PC Power Supplies, see page 262.



on pa	iges 214-218.		тогто голгог оцерги	00,000	Page -						
Jameco			Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
693193	Mean Well ≉	RS-25-3.3	+3.3V@0-6A	19.8W	80	2	0.5	UL/CUL/TUV/CE/CB	\$29.09	\$25.23	\$23.28
323282	Mean Well ₹	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	23.28
323300	Mean Well ₹	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	23.28
323302	Mean Well ≈	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	27.55	23.75	22.59
323311	Mean Well ≈	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	23.28
693206	Mean Well ₹	RS-25-48	+48V@0-0.57A Call for special cand large	27.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	29.09	25.23	23.28
123247	Mean Well ₹	S-25-5		25.0W	50	1	0.5	UL/TUV/CE	39.95	32.10	28.90
123255	Mean Well ₹	S-25-12	+12V@0-2.1A versions are quantities	25.2W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
123263	Mean Well ₹	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
123272	Mean Well ₹	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	39.95	32.10	28.90
639214	Mean Well ₹	RS-35-3.3	+3.3V@0-7A	23.1W	80	2	0.5	UL/CUL/TUV/CE/CB	36.89	36.89	30.99
323329	Mean Well ₹	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	34.25	28.55	27.15
323337	Mean Well ₹	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	28.13
323345	Mean Well ₹	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.89	30.99	28.13
323353	Mean Well ₹	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	36.99	30.99	28.13
693222	Mean Well ₹	RS-35-48	+48V@0-0.8A	38.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	36.99	30.99	28.13
323362	Mean Well ₹	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	32.35	30.75
323380	Mean Well ₹	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	32.35	30.75
123290	Mean Well ₹	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
123298	Mean Well ₹	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
202140	Mean Well ₹	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
123319	Mean Well ₹	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	44.95	38.60	34.70
201989	Mean Well ₹	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	49.95	42.46	31.84
201997	Mean Well ₹	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90
202009	Mean Well ≈	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	49.95	42.10	37.90
* Primary Out	nut										



	Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty										
Jameco			Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
689848	Potrans	1M150C05-1M	+5V@0-3.0A	15.0W	100	0.5	1.0	UL/CUL/TUV/CE	\$22.95	\$20.49	\$18.95
692422	Volgen	SX15U-05S	+5V@3.0A	15.0W	100	_	_	UL/CSA	19.95	17.95	16.15
689805	Potrans	1M041C05-1M	+5V@0-8.0A	40.0W	75	_	_	UL/CUL/TUV/CE	38.95	35.00	29.95
689830	Potrans	1M041C12-1M	+12V@0-3.5A	42.0W	100	_	_	UL/CUL/TUV/CE	38.95	35.00	29.95
689792	Potrans	1M041C24-1M	+24V@0-1.8A	43.0W	100	_	-	UL/CUL/TUV/CE	38.95	35.00	29.95

Primary Output

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

50 to 75-Watt Enclosed Switching AC-to-DC Power Supplies



50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output

- · 100% full-load burn-in
- · Three-year warranty
- See www.Jameco.com for specifications



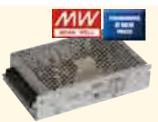


60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series: Single, Dual, Triple & Quad Outputs

- 100% full-load burn-in
- · Two-year warranty
- · See www.Jameco.com for specifications





65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series: Dual, Triple & Quad Outputs

- 100% full-load burn-in
- · Three-year warranty
- See <u>www.Jameco.com</u> for specifications





75-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

- 100% full-load burn-in
- Three-year warranty
- · See www.Jameco.com for specifications

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Open-Frame Power Supplies `	For PC Power Supplies, see p	nani
on pages 214-218.	Torrorower supplies, see p	Jugo

Jameco	9		Output		Ripple & Noise	Load	Line			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	Reg. (±%)*	Reg. (±%)*	Certification	1	10	25
693231	Mean Well 2	RS-50-3.3	+3.3V@0-10A	33.0W	80	2	0.5	UL/CUL/TUV/CE/CB	\$39.79	\$33.95	\$32.93
323388	Mean Well 2	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323396	Mean Well 2	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323409	Mean Well 2	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323417	Mean Well 2	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
693249	Mean Well 2	RS-50-48	+48V@0-1.1A	52.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	39.79	33.95	32.93
323425	Mean Well 2	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323433	Mean Well 2	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323442	Mean Well 2	RT-50A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0.5-5A	46.5W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323460	Mean Well 2	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323468	Mean Well 2	RT-50C	+5V@0-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323476	Mean Well 2	RT-50D	+5V@0.5-5A; +12V0.1-1A; +24V@0.2-1.5A	51.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323484	Mean Well 2	RQ-50B	+5V@0.5-6A; +12V@0.2-1.5A; -5V@0-1A; -12V@0-1A	45.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323492	Mean Well 2	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
123327	Mean Well 2	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	53.95	48.55	42.99
123335	Mean Well 2	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123343	Mean Well 2	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123352	Mean Well 2	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123458	Mean Well 2	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123466	Mean Well 🕿	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123482	Mean Well 🕿	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
123491	Mean Well 2	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
147046	Mean Well 🕿	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A;	60.0W	100	0.5	0.5	UL/CUL/CE/CB	59.95	49.90	44.90
			-5V@0-0.5A; -12V@0-0.5A								
323505	Mean Well 2	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323513	Mean Well 2	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323522	Mean Well 2	RT-65A	+5V@0.5-8A; +12V@0.2-3.5A; -5V@0-1A	66.1W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323540	Mean Well 2	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323548	Mean Well 2	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323556	Mean Well 2	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323564	Mean Well 2	RQ-65B	+5V@0.5-8A; +12v@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323572	Mean Well 2	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
693257	Mean Well 2	RS-75-3.3	+3.3V@0-15A	49.5W	80	2	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323581	Mean Well 2	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323599	Mean Well 2	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
323602	Mean Well 2	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323620	Mean Well 2	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69
693265	Mean Well 2	RS-75-48	+48V@0-1.6A	76.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	44.65	37.83	36.69

* Primary Output

	Other Manufacturers - Special Offers at Great Savings - 90-Day Warranty												
Jameco			Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing			
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25		
689784	Potrans	1M051C05-0M	+5V@10.0A	50.0W	_	_	_	UL/CUL	\$34.95	\$31.00	\$27.95		
689768	Potrans	FS-06005-0M	+5V@0-12.0A	60.0W	120	_	_	UL/CUL/CE	45.95	41.00	35.95		
689821	Potrans	1M051C12-1M	+12V@0-4.2A	50.0W	100	_	_	UL/CUL/TUV/CE	34.95	31.00	27.95		
689813	Potrans	1M061C05-0M	+12V@0-5.0A	60.0W	120	_	_	UL/CUL/TUV/CE	47.95	43.00	37.95		

Primary Output

ROHS compliant product 🕀 This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.





75-Watt Enclosed with Power Factor Correction

SP-75 & TP-75B Series: Single & Triple Output

- · 100% full-load burn-in
- · Three-year warranty
- See www.Jameco.com for specifications

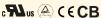




85-Watt Enclosed with Power Factor Correction

RD-85, RT-85 & RQ-85 Series: Dual, Triple & Quad Output

- 100% full-load burn-in Three-year warranty
- See www.Jameco.com for specifications





100-Watt Enclosed

S-100F Series: Single Output

- · 100% full-load burn-in
- · Two-year warranty
- See <u>www.Jameco.com</u> for specifications





- · 100% full-load burn-in
- · Three-year warranty
- See <u>www.Jameco.com</u> for specifications











SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in Three-year warranty
- See www.Jameco.com for specifications

Open-Frame Power Supplies

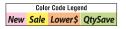
For PC Power Supplies, see page	262.
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on pa	ages 214-218.		To To Toller Supplies, see page 202.							Lower \$\$	3
			Output Ripple & Load Line							Pricing	
Jameco			'		Noise	Reg.	Reg.	0 1191 11			
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
693370	Mean Well 2	SP-75-3.3	+3.3V@0-15.0A	49.5W	80	1	0.5	UL/CUL/TUV/CE/CB	\$77.59	\$73.69	\$71.49
194830	Mean Well 2	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	59.95	53.96	48.56
693388	Mean Well 🕿	SP-75-7.5	+7.5V@0-10.0A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
194838	Mean Well 2	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
693396	Mean Well 2	SP-75-13.5	+13.5V@0-5.6A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
194846	Mean Well 🕿	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194854	Mean Well 2	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
693409	Mean Well 2	SP-75-27	+27V@0-2.8A	75.6W	100	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
216805	Mean Well ⊕	SP-75-48	+48V@0-1.6A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	77.59	73.69	71.49
375049	Mean Well 2	TP-75B	+5V@1.5-10A; +12V@0.2-4A; -12V@0-0.6A	75.8W	100	3	1	UL/CUL/TUV/CE/CB	78.85	74.10	70.40
323628	Mean Well 2	RD-85A	+5V@2-10A; +12V@0.3-5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323636	Mean Well 🕿	RD-85B	+5V@2-10A; +24V@0.3-2.5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323644	Mean Well 🕿	RT-85A	+5V@2-10A; +12V@0.3-4A; -5V@0-1A	84.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323652	Mean Well 2	RT-85B	+5V@2-10A; +12V@0.3-4A; -12V@0-1A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323661	Mean Well 🕿	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323679	Mean Well 🗷	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323686	Mean Well ⊕	RQ-85B	+5V@2-10A; +12V@0.3-4A; -5V@0-1A; -12V@0-1A	80.7W	80	1	0.5	UL/CUL/TUV/CE/CB	59.99	56.99	54.15
323695	Mean Well 🗷	RQ-85D	+5V@2-10A; +12v@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
693273	Mean Well 🗷	RS-100-3.3	+3.3V@0-20.0A	66.0W	80	2	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	48.50
323708	Mean Well 🕿	RS-100-5	+5V@0-16A	80.0W	80	1	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323716	Mean Well 🗷	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	48.50
323723	Mean Well ⊕	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	48.50
323732	Mean Well 🕿	RS-100-24	+24V@0-4.5A +48V@0-2.3A Call for special	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
693290	Mean Well 🕿	RS-100-48		110.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	62.09	53.35	48.50
201962	Mean Well 🗷	S-100F-5	+5V@0-20A versions quantities	100.0W	100	1	0.5	UL/TUV/CE/CB	66.95	56.91	42.68
374919	Mean Well 2	S-100F-7.5	+7.5V@0-13.5A	101.0W	125	0.5	0.5	UL/CUL/TUV/CE/CB	66.95	49.90	44.90
123386	Mean Well 🕿	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
212451	Mean Well 🕿	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
201971	Mean Well 🕿	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
216793	Mean Well 2	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
693441	Mean Well 🕿	SP-100-3.3	+3.3V@0-20.0A	66.0W	100	1	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
194791	Mean Well 🕿	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
693450	Mean Well 2	SP-100-7.5	+7.5V@0-13.5A	101.3W	100	1	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
194803	Mean Well 2	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
693476	Mean Well 2	SP-100-13.5	+13.5V@0-7.5A	101.3W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
212433	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
194812	Mean Well 2	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	89.95	79.95	69.95
394170	Mean Well 2	SP-100-27	+27V@0-3.8A	102.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
693484	Mean Well 2	SP-100-48	+48V@0-2.1A	100.8W	250	0.5	0.5	UL/CUL/TUV/CE/CB	89.25	84.39	81.85
213778	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	118.95	106.95	96.35

Primary Output

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.



120 to 150-Watt Enclosed Switching AC-to-DC Power Supplies

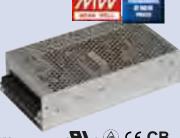


cALus @ CECB

120-Watt Enclosed

D-120, T-120 & Q-120 Series: Dual, Triple & Quad Outputs

- 100% full-load burn-in
- · Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +60°C
- · Mounting hardware: use P/Ns 222130, 222156 and 222172 (see web)
- Two-year warranty
- See <u>www.Jameco.com</u> for specifications



c**Al**us ≜ C€ CB

150-Watt Enclosed

RS-150 Series: Single Output

- New smaller design: 7.8" x 3.9" x 1.5"
- 3.3 watts/in³ power density
- · 100% full-load burn-in
- · 105°C output capacitor
- Cooling by free air convection
- High operating
- temperature up to 70°C · Universal AC input:
- 88-264VAC @ 47-63Hz · Short-circuit/overload/overvoltage protection
- · Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 162
 Three-year warranty



125-Watt Enclosed

RD-125, RT-125 & RQ-125 Series: Dual, Triple & Quad Output

- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- 105°C output capacitors
- · Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit/overload/ overvoltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70°C
- · Cooling by free air convection
- Mating connector: 103588, pg 162 Three-year warranty
- See <u>www.Jameco.com</u> for specifications

150-Watt Enclosed

S-150 Series: Single Output

- 100% full-load burn-in
- · No minimum load required
- Voltage adj.: 10%
- Mating connector:
- P/N 103588, pg 162
 Input: 88-132/176-264 @ 47-63Hz
- Working temperature: -10°C to +60°C
- Mounting hardware: use P/Ns 222130, 222156 & 222172 (see web)
- · Two-year warranty
- See <u>www.Jameco.com</u> for specifications



c¶us (€ CB

Open-Frame Power Supplies For PC Power Supplies, see page 262.										Lower \$\$	\$
Jameco	ages 214-218.		Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
132410	Mean Well 2	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	\$69.95	\$58.29	\$51.69
132397	Mean Well 🕿	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	58.29	51.69
301509	Mean Well 2	T-120B	+5V@2-12A; +12V@0.5-5A; -12V@0.2-1A	121.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89
301517	Mean Well ?	T-120C	+5V@2-12A; +15V@0.5-5A; -15V@0.2-1A	117.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89
132389	Mean Well 2	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	67.96	50.97
132371	Mean Well 2	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09
323741	Mean Well 🕿	RD-125A	+5V@2-15A; +12V@0.5-10A	130.9W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323759	Mean Well 2	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323767	Mean Well 🕿	RT-125A	+5V@2-15A; +12V@0.5-6A; -5V@0.1-1A	131.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323775	Mean Well 2	RT-125B	+5V@2-15A; +12v@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323783	Mean Well 🕿	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323792	Mean Well 2	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323804	Mean Well 🕿	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323812	Mean Well 🕿	RQ-125D	+5V@2-12A; +12V@0.5-4A; +24V@0.1-2.5A; -12V@0-1A	124.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
693329	Mean Well 🕿	RS-150-3.3	+3.3V@0-30.0A	99.0W	80	2	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	53.35
323821	Mean Well 🕿	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	53.35
323839	Mean Well 2	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	53.35
323847	Mean Well 🕿	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	53.35
323855	Mean Well 🕿	RS-150-24	+24V@0-6.5A +48V@0-3.3A Call for special	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	53.35
323863	Mean Well 🕿	RS-150-48		158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	65.99	57.23	53.35
123394	Mean Well 🕿	S-150-5	+5V@0-30A versions divisions quantities	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	62.95	60.99	59.09
123415	Mean Well 🕿	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	62.95	60.99	59.09
693353	Mean Well 🕿	S-150-9	+9V@0-16.7A	150.3W	180	0.3	0.3	UL/CUL/TUV/CE/CB	62.95	60.99	59.09
123423	Mean Well 🕿	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
202025	Mean Well 🕿	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	62.95	60.99	59.09
123432	Mean Well 🕿	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123450	Mean Well 2	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	69.95	58.30	52.50
202033	Mean Well 🕿	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	62.95	60.99	59.09
167346	Mean Well 2	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	62.95	60.99	59.09



Primary Outpt	л								AIF		
		Oti	her Manufacturers – Special Offe	rs at Gre	at Saving	s – 90	-Day I	Narranty			
Jameco			Output		Ripple & Noise	Load Reg.	Line			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	Reg. (±%)*	Certification	1	10	25
323871	Volgen	SP100U-24S	+24V@4 4A	105.6W	150	0.4	0.2	_	\$44.95	\$40.45	\$38.45

Primary Output

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.





150-Watt Enclosed with Power Factor Correction

SP-150, TP-150 & QP-150 Series: Single, Triple & Quad Outputs

- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +60°C
- See www.Jameco.com for specifications
- Three-year warranty



c**¶**us (≜) C € CB

200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output

- 100% full-load burn-in
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +60°C
- See <u>www.Jameco.com</u> for specifications
- · Three-year warranty



c**Al**us (€ CB

200-Watt Enclosed with Power Factor Correction

QP-200 Series: Quad Output

- · 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- 2.6 watts/in³ maximum
- · Built-in fan cooling
- · Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +60°C
- See <u>www.Jameco.com</u> for specifications
- · Three-year warranty



cALus @CECB

240-Watt Enclosed

S-240 Series: Single Output

- 100% full-load burn-in
- · No minimum load required
- 3.4 watts/in³ maximum
- Auto cooling fan
- Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 162
- Input: 88-132/176-264VAC @ 47-63Hz
- · See www.Jameco.com for specifications
- Two-year warranty



Open-Frame Power Supplies on pages 214-218.

For PC Power Supplies, see page 262.

Jameco			Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	Reg. (±%)*	Certification	1	10	25
201903	Mean Well 2	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	\$82.75	\$70.34	\$52.75
201911	Mean Well ⊕	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	99.89	89.90	67.43
693505	Mean Well 2	SP-150-7.5	+7.5V@0-20.0A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
173421	Mean Well 2	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
394193	Mean Well ⊕	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
173412	Mean Well 2	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	91.21	85.70
173404	Mean Well 2	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
693513	Mean Well 2	SP-150-27	+27V@0-5.6A	151.2W	150	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
201930	Mean Well 2	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	99.89	95.07	92.19
213832	Mean Well 2	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	93.25	83.89	75.50
213648	Mean Well 2	QP-150F	+5V@3-10A; +15V@0-3A;	152.0W	120	2	1	UL/CUL/TUV/CE/CB	145.95	124.06	93.04
			+24V@0.4-2A; -15V@0-0.6A								
693521	Mean Well 2	SP-200-3.3	+3.3V@0-40.0A	132.0W	100	1	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
202042	Mean Well 2	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	102.95	85.79	74.79
693530	Mean Well 2	SP-200-7.5	+7.5V@0-26.7A	202.2W	100	1	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
194774	Mean Well 2	SP-200-12	+7.5V@0-26.7A +12V@0-16.7A +13.5V@0-14.9A Versions and large versions and large	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
212410	Mean Well 2	SP-200-13.5	+13.5V@0-14.9A Versions and large	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
202060	Mean Well 2	SP-200-15	+13.5V@0-14.9A +15V@0-13.4A versions and quantities	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
194782	Mean Well 2	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
693548	Mean Well 2	SP-200-27	+27V@0-7.5A	202.5W	150	0.5	0.5	UL/CUL/TUV/CE/CB	112.49	105.73	102.55
202068	Mean Well 2	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
213752	Mean Well 2	QP-200D	+5V@3-15A; +12V@0-4A;	204.9W	100	2	1	UL/CUL/TUV/CE/CB	156.95	127.99	112.99
			+24V@0.4-3A; -12V@0-0.7A								
693556	Mean Well 2	S-240-7.5	+7.5V@0-30.0A	225.0W	200	1	0.5	UL/CUL/TUV/CE/CB	105.75	99.99	96.99
137649	Mean Well 2	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
202075	Mean Well ⊕	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	105.75	99.99	96.99
137657	Mean Well 2	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	105.75	99.99	96.99
392834	Mean Well 2	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	99.95	93.95	89.25
167338	Mean Well 2	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	105.75	99.99	96.99

Primary Output

	Other Manufacturers - Special Offers at Great Savings - 90-Day Warranty											
Jameco			Output		Ripple & Noise	Load Reg.	Line Rea.			Pricing		
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	Reg. (±%)*	Reg. (±%)*	Certification	1	10	25	
199515	Globtek	RT-3S150-24	24V@6.5A	156.0W	100	5	5	UL/CE	\$64.15	\$57.75	\$43.15	
371012	Potrans	GL150W-24-NC	24V@6.5A	156.0W	150	_	_	UL/CUL/TUV/CE	49.95	42.46	31.84	
689750	Potrans	FS-20024-1M	24V@0-8.3A	200.0W	150	_	_	UL/CUL/CE	89.95	79.95	69.95	

Primary Output

RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

300 to 480-Watt Enclosed Switching AC-to-DC Power Supplies

Color Code Legend

New Sale Lower\$ QtySave

300-Watt Enclosed with Power Factor Correction

PSP-300 Series: Single Output

- · 100% full-load burn-in
- · Three-year warranty
- See www.Jameco.com for specifications



Open-Frame Power Supplie



300 & 320-Watt Enclosed with Power Factor Correction

- 100% full-load burn-in Universal AC input
- · No minimum load required
- Auto cooling fan Voltage adj.: 10%
- Three-year warranty

SP-300 & SP-320 Series: Single Output

- Input: 88-264VAC @ 47-63Hz, 120-370VDC

QP-320 Series: Quad Output

• Input: 90-264VAC @ 47-63Hz • Working temperature: -10°C to +70°C

320-Watt Enclosed S-320 Series: Single Output 100% full-load burn-in Two-year warranty See www.Jameco.com for specifications

480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output

- Three-year warranty
- · See www.Jameco.com for specifications



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For PC Power Supplies, see page 262.

Lower \$\$.	-
LOWINES	•

	ages 214-218.	77							Lower \$\$\$			
Jameco			Output		Ripple & Noise	Load Reg	Line			Pricing		
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	Reg. (±%)*	Reg. (±%)*	Certification	1	10	25	
374169	Mean Well 2	PSP-300-12	+12V@0-25A	300.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	\$178.65	\$169.10	\$160.65	
374185	Mean Well 2	PSP-300-24	+24V@0-12.5A	300.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65	
374193	Mean Well 2	PSP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65	
202091	Mean Well ⊕	SP-300-5	+5V@0-50A at 230VAC; 0-40A at 115VAC	250.0W	150	1	0.5	UL/CUL/TUV/CE/CB	169.95	144.46	108.34	
212396	Mean Well ⊕	SP-300-13.5	+13.5V@0-21A at 230VAC; 0-16.8A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80	
202104	Mean Well ⊕	SP-300-15	+15V@0-19A at 230VAC; 0-15.2A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	163.76	122.82	
161980	Mean Well ⊕	SP-300-48	+48V@0-6.25A at 230VAC; 0-5A at 115VAC	300.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	154.66	115.99	
244734	Mean Well ⊕	SP-320-5 ⊙	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	151.35	130.95	121.25	
394215	Mean Well 2	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	151.35	130.95	121.25	
244743	Mean Well 2	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	146.95	126.95	118.95	
693599	Mean Well 🕿	SP-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	151.35	130.95	121.25	
693610	Mean Well 2	SP-320-15	+15V@0-20.0A	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	151.29	130.95	121.25	
244752	Mean Well 🕿	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	151.35	130.95	121.25	
693628	Mean Well 🕿	SP-320-27	+27V@0-11.7A	315.9W	200	0.5	0.2	UL/CUL/TUV/CE/CB	151.35	130.95	121.25	
244770	Mean Well 🕿	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	151.35	130.95	121.25	
216776	Mean Well ⊕	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	120.59	116.97	113.47	
207212	Mean Well ⊕	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	120.59	102.50	76.88	
207204	Mean Well ⊕	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47	
693572	Mean Well 🕿	S-320-13.5	+13.5V@0-22.0A +15V@0-20A Call for special	297.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47	
374993	Mean Well ⊕	S-320-15	+15V@0-20A +24V@0-12.5A Call for special continues versions and large	300.0W	150	0.5	0.5	UL/CUL	120.59	116.97	113.47	
196657	Mean Well ?	S-320-24	+24V@0-12.5A versions quantities	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50	
693581	Mean Well ?	S-320-27	+27V@0-11.0A	297.0W	200	0.5	0.5	UL/CUL	120.59	116.97	113.47	
207191	Mean Well ⊕	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	120.59	116.97	113.47	
693636	Mean Well 2	SP-480-3.3	+3.3V@0-85.0A	280.5W	80	1	0.5	UL/CUL/TUV/CE/CB	243.49	212.43	192.06	
693644	Mean Well ?	SP-480-5	+5V@0-85.0A	425.0W	80	1	0.5	UL/CUL/TUV/CE/CB	243.49	212.43	192.06	
301373	Mean Well 2	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	243.49	212.43	192.06	
693652	Mean Well ?	SP-480-15	+15V@0-35.0A	480.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	243.49	212.43	192.06	
301322	Mean Well 2	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33	
301402	Mean Well 2	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	243.49	212.43	206.07	
668764	Mean Well 🗷	QP-320D	+5V@2.5-20A; +12V@0-10A; +24V@0.2-5A;	316.0W	100	2.0	1.0	UL/CUL/TUV/CE/CB	164.85	155.15	146.55	
			-12V@0.2-2A									
668772	Mean Well 2	QP-320F	+5V@2.5-20A; +15V@0-10A; +24V@0.2-5A;	316.0W	100	2.0	1.0	UL/CUL/TUV/CE/CB	164.85	155.15	146.55	
			-15V@0.2-1.6A									
* Primary Outn	u it	A Plue Port No.	Limited Quantity Available									

* Primary Output

Blue Part No. = Limited Quantity Available

	Other Manufacturers - Special Offers at Great Savings - 90-Day Warranty												
Jameco			Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing			
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25		
689776	Potrans	1M321C48-0M	48@0-6.5A	312.0W	240	_	_	UL/CUL	\$119.95	\$107.95	\$96.95		

* Primary Output

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.





500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output

- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in³ maximum Remote control
- Auto cooling fan
 Voltage adjustment: 10%
 Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103588 pg 162
- Working temperature: -10°C to +60°C
- See <u>www.Jameco.com</u> for specifications
- Three-year warranty





600-Watt Enclosed

SE-600 Series: Single Output

- · AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- Working temperature: -20°C to +60°C
 Size: 9.7"L x 5.0"W x 2.5"H
- See www.Jameco.com for specifications
- Two-year warranty



600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output

- Built-in active PFC function
- · Forced air cooling by built-in DC fan
- · Built-in remote ON-OFF control, and remote sense function
- · Current sharing up to 2400W (3 +1)
- · Short circuit/overload/over-voltage/ over-temperature protection
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Mating connector: P/N 103588 or 302877, pg 159
- Working temperature: -20°C to +50°C
- See www.Jameco.com for specifications Three-year warranty





600-Watt Enclosed with Current Sharing SCN-600 Series: Single Output

- 100% full-load burn-in
- Auto cooling fan
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum · Universal AC input:
- 90-130/180-260VAC @ 47-63Hz
- · Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +65°C; (+50°C to -65°C @ 50% load)
- Mounting hardware: use P/Ns 222156 & 222172
- · See www.Jameco.com for specifications



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· Two-year warranty

600-Watt Enclosed with Power Factor Correction

SCP-600 Series: Single Output

- Input: 180-260VAC @ 47-63Hz/260-370VDC
- Short circuit/overload/over-voltage/over-temperature protection Power good signal
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Built-in remote sense function, and remote ON-OFF function
- Mating connector: P/N 103588 or 302877, pg 159
- Working temperature: -20°C to +65°C
- See <u>www.Jameco.com</u> for specifications

- PFC: >0.98 @ 230VAC
- - With parallel function (N +1)

For PC Power Sunnlies see name 262

- · Forced air cooling by built-in DC fan
- Three-year warranty



on pages 214-218.											
Jameco	ages 211210.		Output		Ripple & Noise	Load	Line			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	Reg. (±%)*	Reg. (±%)*	Certification	1	10	25
190693	Mean Well 2	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	\$249.95	\$216.10	\$194.50
212389	Mean Well 2	SP-500-13.5	+13.5V@0-36A at 230VAC; 0-30.6A at 115VAC	486.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	212.46	159.34
213605	Mean Well ?	SP-500-15	+15V@0-32A at 230VAC; 0-27.2A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	239.95	203.96	152.97
147054	Mean Well 2	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
190706	Mean Well 2	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	212.46	159.34
161796	Mean Well ?	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	249.95	216.10	194.50
374002	Mean Well ⊕	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	173.95	156.59	140.89
291522	Mean Well ⊕	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295902	Mean Well ⊕	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295911	Mean Well ⊕	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
295929	Mean Well ⊕	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	173.95	156.59	140.89
374214	Mean Well 2	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374221	Mean Well ⊕	PSP-600-15 ♀	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	219.99	209.99	199.99
374231	Mean Well 2	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374257	Mean Well 2	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374249	Mean Well ?	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
220249	Mean Well ⊕	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	273.95	213.99	197.99
220257	Mean Well ⊕	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374045	Mean Well ⊕	SCN-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	273.95	232.86	174.64
220265	Mean Well ⊕	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	273.95	213.99	197.99
374062	Mean Well ?	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	273.95	213.99	197.99
388631	Mean Well ⊕	SCP-600-12	+12V@0-50A	600.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	302.81	227.11
388640	Mean Well ⊕	SCP-600-15	+15V@0-40A	600.0W	140	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374264	Mean Well ⊕	SCP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31
374301	Mean Well ⊕	SCP-600-48	+48V@0-12A	576.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	356.25	308.75	293.31

^{*} Primary Output Blue Part No. = Limited Quantity Available

ROHS compliant product 💮 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

PSP-500

c**Al**us (€ CB

500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output

- 100% full-load burn-in No minimum load required 3.6 watts/in³ maximum
- · Auto cooling fan · Remote sense and control
- Mating connector: P/N 103588, pg 162
- Working temperature: -10°C to +60°C Three-year warranty
- See www.Jameco.com for specifications PSP-500 and PSP-1000:

• Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC € SQUIS € C € CB

PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC

750-Watt Enclosed with Power Factor Correction SP-750 Series: Single Output

- · 100% full-load burn-in
- · Universal AC input: 88-264VAC @ 47-63Hz, 127-370VDC
- Withstanding voltage of 300VAC surge input for 5 seconds
 - Short circuit/overload/over-volt protection
- High operating temperature up to 70°C · Cooling by built-in fan
- Built-in active PFC function, PF>0.95
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control · Built-in remote sense function
- · Mating connector: 103588, pg 162
- High power density: 5.48W/in Power-good and fail-signal outputs
- Three-year warranty

800-Watt Enclosed with Power Factor Correction

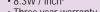
SCP-800 Series: Single Output

- Input: 180-260VAC @ 47-63Hz/ 260-370VDC • PFC: >0.98 @ 230VAC
- · Short circuit/overload/over-voltage/ over-temperature protection
- · Forced air cooling by built-in DC fan
- · Built-in remote sense function, and remote ON-OFF function
- With parallel function (N +1) Power good signal
- c**Al**us (€ CB Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103588 or 302877, pg 159
- Working temperature: -20°C to +65°C
- Three-year warranty See <u>www.Jameco.com</u> for specifications

1500-Watt Enclosed with **Power Factor Correction &** Parallel Current Sharing

RSP-1500 Series: Single Output

- Universal AC input/full range
- ZVS new technology
- Short circuit/overload/over-voltage/
- over-temperature protection
- Forced air cooling by built-in fan Current sharing up to 6000W (3 + 1)
- · Built-in remote sense, ON-OFF control, and 12V/1A auxiliary output for remote control
- Working temperature: -20°C to +70°C • 8.3W / inch3
- Size: 10.9"L x 5.0"W x 3.3"H





c**¶**us (€ CB

· Three year warranty

Open-Frame Power Supplies on pages 214-218

For PC Power Supplies, see page 262.

Lower \$\$\$

Jameco			Output		Ripple & Noise	Load Reg.	Line Reg.			Pricing	
Part No.	Manufacturer	Product No.	Voltage@Current (min-max)	Power	(mV p-p)*	(±%)*	(±%)*	Certification	1	10	25
190714	Mean Well 2	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	\$269.95	\$232.09	\$216.69
190722	Mean Well 2	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	242.96	218.66
190731	Mean Well 🕿	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
190749	Mean Well 🕿	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
374029	Mean Well ⊕	SP-750-15	+15V@0-50A	750.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	447.19	380.11	285.08
320048	Mean Well 🕿	SP-750-24	+24V@0-31.3A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374038	Mean Well 🕿	SP-750-27	+27V@0-27.8A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320056	Mean Well 🕿	SP-750-48	+48V@0-15.7A +12V@0-66A Call for special	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
388615	Mean Well ⊕	SCP-800-12	+12V@0-66A +15V@0-53A Call for spessors versions and large	792.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
388623	Mean Well ⊕	SCP-800-15	+15V@0-53A +24V@0-33A	795.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374310	Mean Well ⊕	SCP-800-24	+24V@0-33A	792.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	375.49	281.62
374337	Mean Well 🕿	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
217366	Mean Well 🕿	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217358	Mean Well 🕿	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
231652	Mean Well 2	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217350	Mean Well 🕿	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
373261	Mean Well ⊕	PSP-1500-12	+12V@0-112.5A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231685	Mean Well ⊕	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB	479.99	436.42	396.74
373923	Mean Well ⊕	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	747.65	635.50	476.63
231714	Mean Well ⊕	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
231723	Mean Well 🕿	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
694903	Mean Well 🕿	RSP-1500-5	+5V@0-240A	1200W	150	2	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694911	Mean Well 🕿	RSP-1500-12	+12V@0-125A	1500W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694920	Mean Well 2	RSP-1500-15	+15V@0-10A	1500W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694938	Mean Well 2	RSP-1500-24	+24V@0-63A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694946	Mean Well 2	RSP-1500-27	+27V@0-56A	1512W	150	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94
694954	Mean Well 2	RSP-1500-48	+48V@0-32A	1536W	200	0.5	0.5	UL/CUL/TUV/CE/CB	782.79	752.73	680.94

Primary Output

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 1.



Custom-Configured Mean Well Power Supplies!

Specific Configurations for All of Your Power Needs!

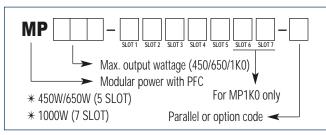
Looking for a supply with unique voltage or current requirements? How about more than four outputs? Now Jameco offers Mean Well's Modular power supplies, custom-configured at the factory to your specific needs, with up to 14 isolated outputs.

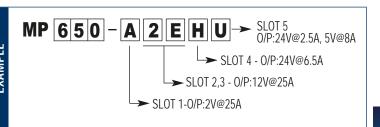
There are thousands of combinations available for the modular series. This solution provides engineers with one of the fastest ways to procure custom configured power supplies with safety and EMC certificates.

These modular power supplies are custom orders. For all inquiries including specific lead times, please contact Jameco's Power Supply Department at 1-800-794-9100 ext. 3.



Output Configuration Guide





Single output (MS-75) 1 SLOT (75W max)							
Voltage Code	Output	Voltage Code	Output				
L	3.3V 0~15A	0	15V 0~15A				
M	5V 0~15A	Р	24V 0~3.2A				
N	12V 0~6.3A	Q	48V 0~1.6A				

Dual	Dual output (MD-100) 1 SLOT (100W max)							
Voltage Code	Output 1	Output 2	Max.(W)					
R	5V 2.0~10A	5V 0.0~8A	90					
S	5V 2.0~10A	12V 0.0~5.8A	100.4					
T	5V 2.0~10A	15V 0.0~4.7A	101					
U	24V 0.5~3.0A	5V 0.0~10A	100					
V	24V 0.6~3.0A	12V 0.0~4.7A	100.8					
W	12V 1.0~5.0A	12V 0.0~5.8A	100.8					
Χ	15V 1.0~4.7A	15V 1.0~4.7A	100.5					

1 SLUT (1	1 SLOT (150W max)			2 SLUT (3	OUW
Voltage Code	0ι	utput		Voltage Code	0
A	2V	0~25A		2A	2V
В	3.3V	0~25A		2B	3.3V
С	5V	0~25A		2C	5V
D	7.5V	0~18A		2D	7.5V
E	12V	0~13A		2E	12V
F	15V	0~10A	Ш	2F	15V
G	18V	0~8.5A	Ш	2G	18V
Н	24V	0~6.5A		2H	24V
1	27V	0~5.8A		21	27V
J	33V	0~4.7A		2J	33V
K	48V	0~3.2A		2K	48V

Single output (MS-150)

These modular power supplies are custom orders.

For all inquiries including specific lead times, please contact

Jameco's Power Supply Department at 1-800-794-9100 ext. 3.

General Specifications

Features:

- · Zero voltage switching technology
- · Worldwide ITE safety approvals
- High efficiency operation
- Thousands of possible output configurations
- Remote control on each output module
- Remote sense on each individual output
- Active PFC, PF>0.95
- Universal AC input/full range
- Built-in parallel function (MS-300)
- · Fan alarm function
- · Forced air cooling
- 2.5 inch profile

ions						
Model No.	MP450	MP650	MP1KO			
AC Input Voltage Range	85~264VAC or 12~370VDC					
Power Factor	PF>0.95/230VAC, PF > 0.98/ 115V	AC at full load				
AC Inrush Current (max.)	Cold start, 40A at 230VAC Cold start, 50A at 230VAC Cold start, 40A at 230VAC					
Max Output Wattage	450W	650W	1000W			
Efficiency (Typical)	83%	85%	84%			
Over Temperature Protection	Output shutdown, auto recovery					
Fan Alarm	Output shutdown, when fan malful	nction				
Withstand Volatge	I/P - O/P: 3KVAC, I/P - FG: 1.5KVA	C, O/P - FG: O.5KVAC, 1 minute				
Working Temperature	-20°C ~ +50°C @ 100%, +70°C @	50% load				
Safety Standards	UL60950-1, TUV EN6095-1					
EMC Standards	Compliance to EN55022 class B, EN	61000-4-2, 3, 4, 5, 6, 8, 11, ENV5020 ₄	4, EN55024 light industry level, criteria A			
Connection	Input side: 3P/10mm pitch termina	al block & JST B3B-XH				
Dimensions (L" x W" x H")	10.0 x 5.0 x 2.5	10.9 x 5.0 x 2.5	10.9 x 7.0 x 2.5			

Single output (MS-300)

0~50A 0~50A

0~50A 0~40A

0~25A

0~20A 0~16.7A

0~12.5A

0~11.2A 0~9.1A

0~6.3A

DIN-Rail Switching & Precision Power Supplies

Color Code Leaend New Sale Lower'S QtySave

DIN-Rail Switching Power Supplies





373182 (Fig. 1)



192699 (Fig. 2)





2.0A(400V)/1.6A(500V)

135845

Banana/

Cigarette

Type

TS35 x 7.5



10.9 x 3.9 x 4.9

136581

Banana

terminal

Length

1 meter (39")

7.3





248736 Rail

ting	

· Low cost, high reliability

 Universal AC input range Soft-start circuit, limiting AC surge current Short-circuit, overload, over-voltage protected
 100% full-load burn-in test
 For DIN-Rail terminal blocks see pg 157

Output Volts@Curr. Input Voltage (VAC @ Hz/VDC) Input Current @ Maximum Load Size (L" x W" x H") Wt. (lbs.) Part No Product No. 25 Fig. Pwr (W) 10 373174 DR-30-5 2 15 5VDC @ 3A 85-264 @ 47-63/120-370 1.1A(115V)/600mA(230V) 3.1 x 3.7 x 2.2 \$39.99 \$35.99 \$32.39 0.6 373182 DR-30-12 2 1 24 12VDC @ 2A 85-264 @ 47-63/120-370 1.1A(115V)/600mA(230V) 3.1 x 3.7 x 2.2 0.6 39.99 35.99 32.39 373191 DR-30-15 🕿 15VDC @ 2A 85-264 @ 47-63/120-370 1.1A(115V)/600mA(230V) 3.1 x 3.7 x 2.2 1 30 0.6 39.99 35.99 32.39 373203 DR-30-24 🕿 36 24VDC @ 1.5A 85-264 @ 47-63/120-370 1.1A(115V)/600mA(230V) 3.1 x 3.7 x 2.2 32.39 1 0.6 39.99 35.99 212303 5VDC @ 5A DR-4505 2 2 25 85-264 @ 47-63/120-370 1.5A(115V)/750mA(230V) 30x26x36 0.9 45 95 35 19 32 99 192699 DR-4512 🗷 2 42 12VDC @ 3.5A 85-264 @ 47-63/120-370 1.5A(115V)/750mA(230V) 3.0 x 2.6 x 3.6 0.7 45.95 35.19 32.99 221875 DR-4515 🕿 2 42 15VDC @ 2 8A 85-264 @ 47-63/120-370 1.5A(115V)/750mA(230V) 3.0 x 2.6 x 3.6 0.9 45.95 35.19 32 99 192681 DR-4524 2 2 48 24VDC.@ 2A 85-264 @ 47-63/120-370 1.5A(115V)/750mA(230V) 3.0 x 2.6 x 3.6 0.7 45.95 35.19 32 99 373212 DR-60-5 2 1 32.5 5VDC @ 6.5A 85-264 @ 47-63/124-370 1.8A(115V)/1.0A(230V) 3.1 x 3.7 x 2.2 0.7 50.89 45.80 41 22 373230 DR-60-12 🗷 54 12VDC @ 4.5A 85-264 @ 47-63/124-370 1.8A(115V)/1.0A(230V) 3.1 x 3.7 x 2.2 1 0.7 50.89 45.80 41.22 373238 DR-60-15 🕿 60 15VDC @ 4A 85-264 @ 47-63/124-370 1.8A(115V)/1.0A(230V) 3.1 x 3.7 x 2.2 1 0.7 50.89 45.80 41.22 DR-60-24 **2** 24VDC @ 2.5A 373246 1 60 85-264 @ 47-63/124-370 1.8A(115V)/1.0A(230V) 31x37x22 0.7 50.89 45 80 41 22 212291 DR-7512 🕿 3 75 12VDC @ 6.3A 85-264 @ 47-63/120-370 2.0A(115V)/1.2A(230V) 3.9 x 2.1 x 4.9 1.2 73.95 56.09 51.69 212282 DR-7524 2 3 75 24VDC@32A 85-264 @ 47-63/120-370 2.0A(115V)/1.2A(230V) 3.9 x 2.1 x 4.9 12 73.95 56.09 51 69 212274 DR-12012 Z 4 120 12VDC @ 10A 88-132/176-264* @ 47-63 2.8A(115V)/1.7A(230V) 26x39x49 1 4 85 95 64.89 60.49 212266 DR-12024 🕿 4 120 24VDC @ 5A 88-132/176-264* @ 47-63 2.8A(115V)/1.7A(230V) 2.6 x 3.9 x 4.9 1.4 85.95 64.89 60.49 221904 DR-12048 🕿 48VDC @ 2.5A 88-132/176-264* @ 47-63 120 2.8A(115V)/1.7A(230V) 2.6 x 3.9 x 4.9 1.4 69.26 62.33 4 76.95 221892 DRP-24024[†] 2 5 240 24VDC @ 10A 85-264 @ 47-63/120-370 3.5A(115V)/1.8A(230V) 3.9 x 4.9 x 4.9 2.4 156.95 141.26 127.13 DRP-24048 ** 48VDC @ 5 0A 221883 5 240 85-264 @ 47-63/120-370 3.5A(115V)/1.8A(230V) 39 x 49 x 49 2 4 156 95 141 26 127 13 373123 DRT-240-24 🗷 5 240 24VDC @ 10A 3-phase 340-550 @ 47-63/480-780 0.95A(400V)/0.75A(500V) 3.9 x 4.9 x 4.9 2.9 172.35 155.12 139.60 DRT-240-48 (9) 373114 5 240 48VDC @ 5A 3-phase 340-550 @ 47-63/480-780 0.95A(400V)/0.75A(500V) 39 x 49 x 49 29 172.35 146.50 (109.87) 252663 DRP-48024 ** 480 24VDC.@ 20A 180-264 @ 47-63/25-370 4.0A(230V) 8.9 x 3.9 x 4.9 4.6 218.95 207 99 197.60 6 252655 DRP-48048 ** 6 480 48VDC @ 10A 180-264 @ 47-63/25-370 4.0A(230V) 8.9 x 3.9 x 4.9 4.6 218.95 207 99 197.60 295938 DRP-480S-24[†] ₹ 24VDC @ 20A 90-132/180-264* @ 47-63/254-370 6 480 11.0A(115V)/4.0A(230V) 8.9 x 3.9 x 4.9 225.35 215.03 204.28 4.6 301306 DRP-480S-48[†] ₹ 90-132/180-264* @ 47-63/254-370 11.0A(115V)/4.0A(230V) 225.35 204.28 6 480 48VDC @ 10A 8.9 x 3.9 x 4.9 4.6 215.03 DRT-480-24 (+) 372576 6 480 24VDC.@ 20A 3-phase 340-550 @ 47-63/480-750 1.7A(400V)/1.3A(500V) 89x39x49 5.5 206 95 186 26 167 63 373106 DRT-480-48 @ 480 48VDC @ 10A 3-phase 340-550 @ 47-63/480-750 1.7A(400V)/1.3A(500V) 8.9 x 3.9 x 4.9 5.5 206.95 175.91 (131.93) 373131 DRT-960-24 R 6 960 24VDC @ 40A 3-phase 340-550 @ 47-63 2.0A(400V)/1.6A(500V) 10.9 x 3.9 x 4.9 7.3 436 49 406.43 394 23

373149

Part No.

248736

Description † With Power Factor Correction

6

960

Prepunched DIN mounting rail

DIN-Rail Switching Power Supplies

3-phase 340-550 @ 47-63

Zinc bichromate plate steel

Material

Part No.	Product No.	Power (W)	Output Volts@Current	Input Voltage (VAC @ Hz/VDC)	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
478661	SDP3-15-100T♠	15	12-15VDC @ 4.2-3.4A	85-264 @ 43-67/90-375	2.9 x 1.7 x 3.5	0.5	\$115.15	\$112.59	\$111.39
478645	SCP30S5-DN♠	30	5VDC @ 6A	85-264 @ 50/60	4.7 x 2.5 x 1.2	1.5	124.95	120.95	117.55
478653	SDN2.5-24-100P♠	60	24-28VDC @ 2.5A	85-132/176-264 @ 47-63/90-375	4.5 x 1.9 x 4.8	1.6	137.35	131.95	126.99



138668

Banana

terminal

(rear)

436 49

478653 SDN Series

406 43

\$5.45

10

394.23

\$4.10

100

13.8VDC Precision Regulated Power Supplies

· Heavy duty 5'8" 3-prong power cord

DRT-960-48 2

Cross Ref. No

2094.0 🕿

- · Illuminated rocker switch
- · Fuse protected
- · Short-circuit protection Output mating terminals: see pg 162 for cigarette plugs & pg 284 for banana terminal plugs

48VDC.@ 20A

Part No Model No Power (W) Output Volts@Curr. Input Voltage **Output Terminals** Size (L" x W" x H") Wt. (lbs.) 10 25 135845 RPS1204 @ 55.2 13.8VDC @ 4A 115VAC @ 60Hz Banana terminals / cigarette plug 6.7 x 5.2 x 3.2 \$31.95 \$28.85 \$26.29 5.5 RPS1207# ⊕ 13.8VDC @ 7A 136581 96.6 115VAC @ 60Hz 8.7 x 5.7 x 3.6 8.5 52.39 Banana terminals 64.15 57.75 62.95 138668 38-381 138.0 13 8VDC @ 10A 115VAC @ 60Hz 10.0 69 95 56.95 Banana terminals (rear) 7.0 x 6.6 x 4.3 138676 52-192012 13.8VDC @ 20A 115VAC @ 60Hz Banana terminals 10.0 x 7.8 x 4.4 89.95

- # P/N 136581 includes overheating protection
- ♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

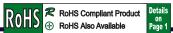
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RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.







Rackmount Power Supplies

N + 1 DC Power System with Battery Back-up Charging

- N+1 redundancy
- Volt/ampere meter
- · Input voltage range: 105 to 125VAC, 60Hz
- Remote monitoring and indication
- Forced air cooling by 2 fans
- · Short-circuit, current limit, fan failure, input surge suppression protection
- Chassis and cover: steel (black epoxy powder coat)
- Size: 19"W x 15.9"D x 3.6"H

Part No.	Product No.	(VDC @ A)	(lbs.)	1	10	25
673272	SEC-40BRM +	13.8 @ 40	20.5	\$449.95	\$427.45	\$406.09
673281	SEC-60BRM .	13.8 @ 60	22.0	507.65	473.25	453.49
673299	SEC-80BRM .	13.8 @ 80	23.5	584.35	555.19	527.39
673310	SEC-100BRM +	13.8 @ 100	25.0	659.95	626.95	595.65
677396	SEC-2430BRM +	27.6 @ 30	22	524.39	498.15	473.25
677484	SEC-2450BRM +	27.6 @ 50	25	671.75	638.15	606.25

. This product is a special order, non-cancelable, non-returnable and may take up to 2 weeks to ship

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

600W Single Output

- AC Input active surge current limiting
- Forced air cooling by built-in DC fan
- Built-in remote sense function
- Ripple and noise (max.): 150mVp-p
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 19.5"W x 5.0"D x 3.5"H

Part No.	Product No.	Output (VDC @ A)	1	10	25
673336	600-12RM +	12 @ 50	\$252.75	\$240.15	\$228.15
673395	SE-600-24RM +	24 @ 25	252.75	240.15	228.15
673408	SE-600-48RM 💠	48 @ 12.5	252.75	240.15	228.15

2 x 23 Amp

- Input voltage: 100 to 130VAC @ 50/60Hz
- Output current (surge): 24A x 2 Chassis: aluminum (black anodized)
- Cover: steel (black epoxy powder coat)
- Size: 19"W x 8.7"D x 3.5"H UL/CUL approved

Part No.	Product No.	Output (VDC @ A)	Wt. (lbs.)	1	10	25
673328	SEC-1223R2		8.2	. \$240.15	\$228.15	\$216.75

Linear Power Supplies

5-24VDC Linear Power Supplies

478670/478688:

- · Easy-to-install screw terminal connections · Automatic resetting overload protection Fast transient response; ideal for test applications
- Industry standard footprint
- Low noise, extremely quiet DC output for noise sensitive or analog circuitry Short-circuit protected

Part No.	Model No.	Input Voltage	Output Volts@Curr. 1	10	25
478670	SLS-05-030-1T ♠	100-240VAC selectable	5VDC @ 3A \$41.09	\$40.66	\$40.26
478688	SLS-24-012T ◆	100-240VAC selectable	24VDC @ 1.2A 41.09	40.66	40.26
478637	83-24-225-3♠	104-127VAC, 208-254VAC	24VDC @ 2.5A 139.95	137.95	136.39

- · Remote sensing · Low noise output
- Designed for both bench and rack use
- Current limiting automatic reset
- Completely protected short circuit proof: automatic foldback
- Isolated floating outputUL Recognized, CSA Certified



673230

108 Watt Desktop Power Supplies

- Input voltage: 88-132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Short-circuit/overload/overvoltage/overtemperature protection
- Front panel on/off switch & 3 color LED loading indicator
- Back panel 3-prong AC receptacle and banana plugs
- Line regulation: ±5%
- Size: 5.9"W x 5.5"D x 3.3"H · Weight: 3.3 lbs.

Part No.	Product No.	Description 1	10	25
673230	ESP-120-13.5 🗷	13.5V @ 0 - 8A \$69.69	\$67.85	\$63.99
673256	ESP-120-27 🕿	27V @ 0 - 4A	67.85	63.99

673230:

- · Ripple and noise max.: 120mVp-p
- Voltage adjustment range: 12VDC to 15VDC
- Efficiency (typical): 81%
- Load req.: ±2%

Ripple and noise max.: 150mVp-p

· Voltage adjustment range: 24VDC to 30VDC

Efficiency (typical): 83%

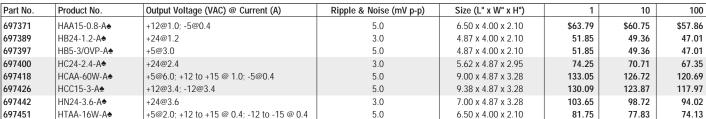


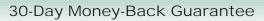
For more Power-One power supplies visit www.Jameco.com

Linear Power Supplies

- Worldwide AC input capabilities 100/120/220/230/240 VAC
- · Output regulation: ±0.05%
- · Low output ripple
- UL/CSA/TUV approvals
- Load & line regulation: ±0.05%

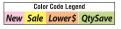
- 100% burn-in test
- CE marked to low voltage directive
 MTBF in excess of 300,000 hours
- Overvoltage protection standard on 5V single outputs 2-year warranty





If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

📤 This product ships from a separate warehouse and may require up to 4 days to ship. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



0.5 & 1-Watt Regulated & Unregulated Encapsulated

• 1000VDC isolation • 100% burn-in test

- · Input filter: capacitor type · Protection: short-circuit
- Working temp.: -15°C to +60°C No external components needed

· One-year warranty





3, 5 & 10-Watt Regulated & Unregulated Encapsulated

- 1000VDC isolation
- · Input filter: Pi network
- 2:1 wide input range • 100% burn-in test Shielded metal case · One-year warranty
- Working temperature: -15°C to +60°C
- · No external components needed
- · Protection: short-circuit & overload



Jameco			Output		Size Inches		Line Reg.	Load Reg.	Ripple & Noise		Pric	ing	
Part No.	Product No.	Input Range	Voltage@Current	Power	(LxWxH)	Pins	(±%)	(±%)	(mV p-p)	1	10	25	100
213226	SRS-0505 ≉	4.5-5.5V	+5V@100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	\$4.89	\$4.45	\$4.25	\$4.09
216831	SPR01L-12 ₹	4.5-5.5V	+12V@84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	8.95	8.06	7.25	6.52
213269	SCW03A-05 ≈	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	15.49	13.95	12.59	11.29
155919	DCW03A-05 ≈	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
161702	DCW03A-12 ₹	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
220389	SLW05L-12 ₹	4.5-9V	+12V@417mA	5W	2x1x0.44	5	0.2	0.5	100	24.95	22.49	20.25	18.25
220354	SLW05A-033 ₹	9-18V	+3.3V@1500mA	5W	2x1x0.44	5	0.2	0.5	100	19.95	17.95	16.16	14.54
216929	SLW05A-05 ≈	9-18V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216882	SLW05A-15 ≈	9-18V	+15V@333mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216937	SLW05B-05 ≈	18-36V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216911	SLW05B-12 ₹	18-36V	+12V@417mA	5W	2x1x0.44	5	1.0	0.2	100	21.95	19.76	17.78	16.00
213234	SLW05C-05 ≈	36-72V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	17.25	15.50	13.95	12.56
220337	SKE10B-033⊕	18-36V	+3.3V@2400mA	8W	2x1x0.44	5	0.3	0.5	50	29.95	26.99	21.59	16.19
216962	SKE10A-05₹	9-18V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.55	26.95	24.55
216980	SKE10A-15 ₹	9-18V	+15V@666mA	10W	2x1x0.44	5	0.3	1.0	60	33.95	30.56	24.44	18.33
216953	SKE10B-05₹	18-36V	+5V@2000mA	10W	2x1x0.44	5	0.3	0.5	50	33.95	30.55	26.95	24.55
217024	SKE10B-12 ₹	18-36V	+12V@840mA	10W	2x1x0.44	5	0.3	0.5	60	29.95	26.96	21.56	16.86
216945	SKE10C-05₹	36-72V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.56	24.44	18.33
217032	DKE10A-05 ≈	9-18V	+5V@1000mA; -5V@1000mA	10W	2x1x0.44	5	0.3	0.5	50	34.95	31.46	25.16	18.87
217092	DKE10A-12 ₹	9-18V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217112	DKE10A-15 ≈	9-18V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217075	DKE10B-15 ≈	18-36V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45

For More Power-One Converters and Input Filters visit www.Jameco.com

DC-DC Half-Brick Converter

power-one

- Input voltage range (V): 36-72
- Output voltage@current: 3.3V@30A
- Ripple and noise (mVp-p): 100
- 1500V isolation

- · Input voltage (V): 48
 - Typical efficiency: 83%
 - Short-circuit/over-current protection
 - · Line regulation/load regulation: 0.2%V out
- · High efficiency
- · Open frame packaging
- Set point accuracy: ±1%



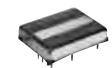
Part No Product No. Pins Size (L x W x H) 2.28" x 2.40" x 0.18" HES100XE-ANT♠ \$213.85 \$207.74 \$201.80 697434



FC Series DC-DC Converter Input Filters

- Optimized for Power-Ones high density, board mounted products
- · Common-mode & differential-mode filtering
- · >30dB insertion loss @ 500kHz

- PCB mountable
- Industry standard input
- 100VDČ operation
- 1500V isolation



Jameco			Insertion Loss	Insertion Loss	Typ. Resistance	Size		Pri	cing	
Part No.	Product No.	Current (A)	Differential Mode (dB)	Common Mode (dB)	(mΩ)	(L" x W" x H")	1	10	100	250
697362	FC100V5A ◆	5	28	30	27	1.0 x 1.0 x 0.40	\$19.95	\$18.98	\$18.08	\$17.22
697354	FC100V10A ♠	10	31	28	17	2.0 x 1.0 x 0.44	22.45	21.36	20.34	19.37

Extra Savings for You

To qualify for volume discounts be sure to contact our sales force on large quantity orders and scheduled monthly shipments!

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🗷 RoHS compliant product 🕒 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



RoHS Compliant Product RoHS Also Available

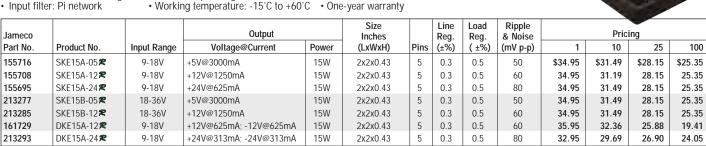
15-Watt Encapsulated

- · Isolation voltage: 1000VDC Free-air convection cooling
- · Shielded metal case
- 2:1 wide input range
- Working temperature: -15°C to +60°C









20-Watt Encapsulated

- · Isolation voltage: 1000VDC
- · Output trim

Jameco

Part No

217649

- Free-air convection cooling
- Working temp.: -40°C to +71°C
- · Industry standard package
- 100% burn-in test

Input Range

36-72V

- · Shielded metal case
- · Input filter: Pi network
- · Protection: short-circuit & overload Size

Inches

(LxWxH)

1.2x2x0.82

One-year warranty



30-Watt Encapsulated

Product No.

TKB20C-B**₹**

- Isolation voltage: 1000VDC
- 2:1 wide input range
- · Input filter: Pi-network
- · Shielded metal case

Output

Voltage@Current

+5V@2500mA; ±12V@310mA

- Working temperature: -25°C to +85°C 100% burn-in test
- · Output trim • Remote ON/OFF

Power

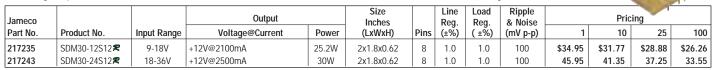
20W

· Protection: short-circuit, overload & overvoltage

8

· One-year warranty

CE



25-Watt Enclosed

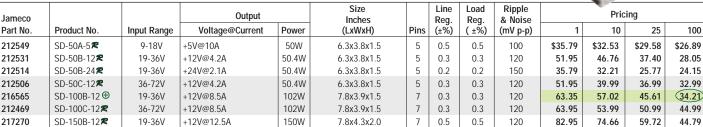
- Isolation voltage: 500VDC
- 2:1 wide input range
- · Input filter: Pi-network Shielded metal case
- Working temperature: -10°C to +60°C 100% burn-in test
 - · One-year warranty
- Protection: short-circuit, overload and overvoltage
- See <u>www.Jameco.com</u> for specifications



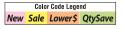
Jameco			Output		Size Inches		Line Reg.	Load Reg.	Ripple & Noise		Pric	ing	
Part No.	Product No.	Input Range	Voltage@Current	Power	(LxWxH)	Pins	(±%)	(±%)	(mV p-p)	1	10	25	100
175662	SD-25A-5 ≉	9-18V	+5V@5000mA	25W	3.9x3.8x1.4	5	0.5	0.5	100	\$40.95	\$30.99	\$28.99	\$24.99
175805	SD-25A-12 ₹	9-18V	+12V@2100mA	25.2W	3.9x3.8x1.4	5	0.3	0.3	120	37.95	34.16	27.32	20.49
175813	SD-25A-24 ≉	9-18V	+24V@1100mA	26.4W	3.9x3.8x1.4	5	0.2	0.2	150	40.95	30.99	28.99	24.99

50, 100 & 150-Watt Enclosed

- · Isolation voltage: 1500VDC
- Input filter: Pi-network 100% burn-in test
- One-year warranty 2:1 wide input range
- · Shielded metal case
- Working temperature: -10°C to +60°C
- · Protection: short-circuit, overload and overvoltage
- Mounting hardware: use P/Ns 222156 & 222172
- · See www.Jameco.com for specifications









Discounts call 1-800-831-4242

ARTESYN

10-Watt Open Frame

CXA10 Series: Single Output

- Isolation voltage: 1500VDC
- · Industry standard footprint Remote ON/OFF
- · 4:1 input voltage range
- 100% burn-in test · Two-year warranty
- · Protection: short-circuit & overload
- Working temperature: -40°C to +100°C
- See <u>www.Jameco.com</u> for specifications



ARTESYN

15-Watt Open Frame

CXE15 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF • 100% burn-in test
- No minimum load Two-year warranty Protection: overvoltage & overcurrent
- Working temperature: -40°C to +65°C
- Output trim
 See <u>www.Jameco.com</u> for specifications 30% Lower



All Items

20-Watt Open Frame

CXA20 Series: Single Output

- Isolation voltage: 1500VDC
- · Output trim
- Industry standard footprint Remote ON/OFF
- 100% burn-in test · 4:1 input voltage range
- No minimum loadTwo-year warranty
- · Protection: overvoltage, overtemperature & short-circuit
- Working temperature: -40°C to +60°C
- See <u>www.Jameco.com</u> for specifications



60-Watt Open Frame

EXQ60 Series: Dual Output

- · Isolation voltage: 1500VDC
- · Output trim
- · Industry standard footprint
 - · 100% burn-in test Remote ON/OFF
- No minimum load · Two-year warranty · Protection: short-circuit, overcurrent & overvoltage
- Working temperature: -40°C to +100°C
- See <u>www.Jameco.com</u> for specifications



TOP UALITY U.S. BRAND

Jameco			Output		Size Inches		Line Reg.	Load Reg.	Ripple & Noise	SAL	Pric	ing	
Part No.	Product No.	Input Range	Voltage@Current	Power	(LxWxH)	Pins	(±%)	(±%)	(mV p-p)	1	10	25	100
219037	CXA10-48S3V3	18-75V	+3.3V@2400mA	7.9W	2.0x1.0x0.54	6	0.1	0.2	30	\$17.89	\$16.99	\$16.15	\$15.34
219070	CXE15-48S1V8 O	33-75V	+1.8V@6000mA	10.8W	2.0x1.0x0.35	6	0.3	2.0	40	39.19	35.26	31.73	28.56
219088	CXE15-48S2V5 ☉	33-75V	+2.5V@6000mA	15W	2.0x1.0x0.35	6	0.3	1.5	40	39.19	35.26	31.73	28.56
219053	CXE15-48S3V3 O	33-75V	+3.3V@4500mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	17.29	16.44	15.62	14.84
219109	CXA20-48S3V3 O	18-75V	+3.3V@6000mA	19.8W	2.0x1.6x0.41	8	0.1	0.2	75	40.85	36.76	33.09	29.78
218894	EXQ60-48D3V3-2V5-R ❖	33-75V	+2.5V@16A; +3.3V@12A	40W	2.3x1.5x0.50	7	_	_	60	113.35	109.99	91.79	82.61
218907	EXQ60-48D05-3V3-R ⊙	33-75V	+3.3V@15A; +5V@12A	60W	2.3x1.5x0.50	7	_	_	60	112.95	101.16	91.48	82.33

Blue Part No. = Limited Quantity Available

6 to 15-Amp Non-Isolated, Point-of-Load DC-to-DC Converters

6-Amp SIL06C Series

- dI/dt: 10A/µs
- 100% burn-in test
- · No minimum load
- · Remote ON/OFF
- · Ultra-wide trim range
- · "Power good" signal
- · Planar magnetics technology
- · Protection: overcurrent & short-circuit
- Working temperature: 0° to +80°C (derated above 50°C)



10-Amp SIL10E Series Very high MTBF

- dl/dt: 10Ā/µs
- 100% burn-in test
- No minimum load
- · Remote ON/OFF
- · 96% efficiency at 3.3V
- Highest power density: 107W/in³
- Planar magnetics technology
- Protection: thermal & short-circuit
- Protection: thermal & short-circuit
 Working temperature: -40°C to +100°C (derated above 70°C)

· Remote sense

· Two-year warranty



					Size		Line	Load				SAL	E)		
Jameco			Output		Inches		Reg.	Reg.	Temp.	Efficiency	MTBF		Pric	ing	
Part No.	Product No.	Input Range	Voltage@Current	Power	(LxWxH)	Pins	(±%)	(±%)	·c	(%)	(hours)	1	10	25	100
219150	SIL06C-05SADJ-V •	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.07	8	0.2	0.5	0 to +80	89	1,300,000	\$12.35	\$11.12	\$10.01	\$9.01
219168	SIL06C-05SADJ-H •	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.53	8	0.2	0.5	0 to +80	89	1,300,000	12.35	11.12	10.01	9.01
219133	SIL10E-05S2V5-V ○	3.0V-5.5V	2.5V@10A	25W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	94	7,042,000	21.85	19.66	17.69	15.93
219117	SIL10E-05W3V3-V ⊙	4.5V-5.5V	0.8-3.6V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	23.99	21.55	19.39	17.46
219125	SIL10E-05S3V3-V •	4.5V-5.5V	3.3V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	22.99	21.55	19.39	17.46

15-Amp SIL15C Series

dl/dt: 10Å/µs

· Ultra-wide trim range

- 100% burn-in test No minimum load
- · Protection: over-current & short-circuit • Working temperature: 0° to +80°C (derated above 50°C)
- · Remote ON/OFF
- · Two-year warranty



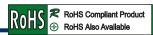




Jameco			Output		Size Inches		Line Rea.	Load Reg.	Temp.	Efficiency		Prid	cing	7
Part No.	Product No.	Input Range	Voltage @ Current	Power	(LxWxH)	Pins	(±%)	(±%)	·c'	(%)	1	10	25	100
218886	SIL15C-05SADJ-V ❖	4.5V-5.5V	0.9V-3.3V@15A	50W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	89	\$9.19	\$8.32	\$7.59	\$6.89

Blue Part No. = Limited Quantity Available

Over 99% of Our Catalog Products Are In Stock. Place your order by 6PM EST for same business-day shipment.



AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 162) on any table-top power supply (100 pc. minimum) for a small additional charge.













Polarity 1 (+) (center negative)





Polarity 2 — + (center positive)



Power	Part		Product	Pwr	Output Volts (VDC)/	Input	Output Connector ID x OD/Polarity	Pwr.		Size	Cords*	Wt.	Agency		Prio	ing	
Ъ	Number	Brand A	Number 🔺	(W)	Current (A)	VAC@Hz	F = female; M = male	Ind.	Color	(L" x W" x H")			Approvals	1	10	50	100
				()			AC Input – Regula				,	(, ,					
	1537555	APD	DA-24B12	24	+12/2.0	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	3.6 x 2.2 x 1.3	6'/ ³	0.4	UL/CUL/TUV/CE	\$18.95	\$17.95	\$16.15	\$13.9
	379613	Mean Well 🕿	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.4
	377925	Mean Well R	P30B-1P2JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.1
	380622	Mean Well 🕿	ES25B05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.4
	379761	Mean Well 🕿	P30B-1P2MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.
<u>a</u>	379920	Mean Well 🟵	ES25B07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.62	14.90	(11.
⋛	380673	Mean Well 🕿	ES25B07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.
74	195806	Horizon 🗷	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	26.95	24.25	21.85	19.
18-24 Wati	195768	Horizon ⊕	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.66	16.52	15.
	391770	Mean Well 🕿	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.
	673651	Artesyn	SSL20C-7612	20	+12/1.67	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.6 x 2.4 x 1.1	3'3"/ ³	0.4	UL/CSA/VDE	17.95	16.49	14.59	11
	391778	Mean Well 🕿	ES18B24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16
	196138	DVE	DSA-0283A	23	+5/1, +12/1.49	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/ ³	0.8	UL/CSA/TUV	16.95	15.25	12.19	9.
					-5/0.43												
	379939	Mean Well 🕿	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	380682	Mean Well 🕿	ES25B09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	379787	Mean Well 🗷	P30B-2P2MU	26	+9/2.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18
	379947	Mean Well 🕿	ES25B12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	380702	Mean Well 🕿	ES25B12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	377942	Mean Well 🗷	P30B-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18
	379795	Mean Well 🗷	P30B-3P2MU	27	+12/2.25	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18
_	379955	Mean Well 🕿	ES25B15-P1JU	25	+15/1.67	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
a	380711	Mean Well 🗷	ES25B15-P1MU	25	+15/1.67	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
25-27 Wall	377959	Mean Well 🕀	P30B-4P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18
7	379656	Mean Well 🕿	P30B-4P2MU	27	+15/1.8	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18
22	379962	Mean Well 🟵	ES25B18-P1JU	25	+18/1.39	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	380729	Mean Well 🕿	ES25B18-P1MU	25	+18/1.39	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	379971	Mean Well 🏵	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	380762	Mean Well 🕿	ES25B24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	221613	Mean Well 🕿	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	8.0	UL/CUL/TUV/CE	25.95	23.35	20.99	18
	379989	Mean Well 🕀	ES25B28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.62	16.00	12
	380780	Mean Well 🕿	ES25B28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	205911	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F 2	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9
	379997	Mean Well ⊕	ES25B48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	380809	Mean Well 🕿	ES25B48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15
	220441	Horizon 🕀 😋	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2 [†]	Yes	Black	4.3 x 2.0 x 1.2	6'/ 3	0.6	UL/CUL/TUV/CE	29.95	26.99	24.29	21
30-55W	230499	Phihong 2	PSA60W-120	50	+12/4.2	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.0 x 2.5 x 1.3	6'/ ³	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.
3	645271	_	SDA5524	55	+24/2.3	120-240@50-60	2.5mm x 5.5mm F 2 [†]	Yes	Black	5.1 x 2.4 x 1.4	7'/ ³	0.5	UL/CUL/TUV/CE	29.95	26.95	24.75	19.

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord ▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

† Right angle

◆ Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies on next page





* Accessory Power Input Cords for **Table-Top Power Supplies**



For Additional Power Cords See Pages 248-249.

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
38041	1	3-conductor power cord ?	Beige	18/3	UL/CSA	6'	0.4	SVT	\$3.49	\$3.15	\$2.51	\$1.88
38050	2	3-conductor power cord ₹	Black	18/3	UL/CSA	6'	0.4	SVT	3.75	3.29	2.87	2.12
189587	3	2-conductor power cord	Black	18/2	UL/CSA	6'	0.3	SPT	2.95	2.65	2.37	2.10

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-DC Regulated Switching Table-Top Power Supplies

Color Code Legend

New Sale Lower\$ QtySave



ē					Output		Output Connector										
Power	Part		Product	Pwr	Volts (VDC)/	Input	ID x OD/Polarity	Pwr.		Size	Cords*	Wt.	Agency		Pricir	_	
ď	Number	Brand A	Number A	(W)	Current (A)	VAC@Hz	F = female; M = male	Ind.	Color	(L" x W" x H")	(DC/AC)	(lbs.)	Approvals	1	10	50	100
						3-Wire A	AC Input – Regula	ated	Switc	hing							
	221568	Mean Well 🕿	P40A-OP2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	\$22.99	\$20.69	\$18.83	\$16.97
	309876	Go Forward	G112-US0520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.6 x 1.9 x 1.3	6'/ <mark>2</mark>	0.4	UL/CUL/TUV/CE	17.75	15.98	12.78	9.59
	196218	GlobTek ⊕	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	Black	3.4 x 1.9 x 1.3	6'/ <mark>2</mark>	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	695244	DVE	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6'/ ²	0.5	UL/CUL/TUV/CE	17.29	15.95	14.40	12.95
	377845	Mean Well 2	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379720	Mean Well 2	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	355506	APS	AD-740U-1050/LP	15	+5/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.6	6'/ ¹	0.8	UL/CUL/TUV/CE	17.29	15.56	12.45	9.34
	379592	Mean Well 2	ES25A05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380471	Mean Well ₹	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
att	213584	Mean Well ≉	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	23.69	21.32	17.06	16.04
Š	377862	Mean Well 2	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/ ²	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
-20	379736	Mean Well 2	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
9	303538	Potrans	UP01411120 ©	12	+12/1.0	100-250@50-60	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/ 2	0.4	UL/CSA/TUV/CE	16.75	13.37	11.70	11.14
_	228988	Phihong &	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ ²	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	17.53
	376623	Mean Well ?	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379702	Mean Well 2	ES18A12-P1MU	18	+12/1.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	1537432	Eng Electric	EPA-201D-12	20	+12/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.4 x 1.3	6'/ ²	0.2	UL/CUL/TUV/CE	16.95	15.25	13.49	11.49
	377880	Mean Well #	ES18A15-P1JU	18	+15/1.2	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379744	Mean Well 2	ES18A15-P1MU	18	+15/1.2	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303546	Potrans	UP01811180	18	+18/1.0	100-250@50-60	2.1mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/ 2	0.4	UL/CSA/TUV/CE	19.55	17.60	14.08	10.56
	394232	Mean Well ₹	ES18A24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CUL/TUV/CCC/CB/CE	20.65	18.95	16.41	16.29
	159353	Mean Well	KA60AU	17		100-240@50-60	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.5	6'/5'	1.0	UL/CSA/TUV	36.95	33.26	26.60	21.89
	213576	Mean Well ₹	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	29.95	26.96	21.56	16.97
	379698	Mean Well &	ES25A07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.62	14.90	11.53
	380497	Mean Well 2	ES25A07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377909	Mean Well 2	P30A-1-1P2JU	23	+7.5/3.06	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379752	Mean Well 2	P30A-1-1P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379728	Mean Well 2	ES25A09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380518	Mean Well 2	ES25A09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379779	Mean Well ₹	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380534	Mean Well 🕿	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377896	Mean Well #	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379823	Mean Well ⊕	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.62	15.40	(11.55)
	380542	Mean Well 2	ES25A15-P1MU	25	+15/1.66	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
=	243012	Mean Well 2	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	23.69	21.80	20.76	19.71
Watt	206455	Ault	SC100	25	+16/1.56	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/6'	1.2	UL/CUL/TUV/CE	14.95	13.46	10.76	8.07
>	379841	Mean Well 2	ES25A18-P1JU	25	+18/1.38	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
21-27	380551	Mean Well ₹	ES25A18-P1MU	25	+18/1.38	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
21	379883	Mean Well ₹	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380577	Mean Well 2	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221681	Mean Well 2	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CSA/TUV/CE	26.95	24.29	21.85	19.65
	379891	Mean Well &			+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.62	15.50	11.53
	380585	Mean Well 🗷	ES25A28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379903	_	ES25A48-P1JU	25	•	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.62	15.64	11.73
	380606	Mean Well 🗷	ES25A48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	215088		P30A-8P2JU	27		100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.89	19.89	18.09	16.59
	196270	Everglow ?				100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	27.95	25.19	22.65	20.39
	190650	Ault	SW300	25		100-250@50-60	5-pin DIN M	No	Black	5.9 x 3.4 x 2.1	6'/ ²	1.5	UL/CSA/TUV	9.95	8.96	8.06	7.25
	190960		P25A13D-R1U			100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	32.95	29.69	26.69	24.05
					-12/0.3] 											
	221720	Mean Well ≉	P25A14E-R1BU	25	+5/2.5, ±15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	32.95	29.69	26.69	24.05

^{*} See accessory table-top power cord chart on page 233 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

ROHS compliant product 🕀 This product is available in both ROHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 162) on any table-top power supply (100 pc. minimum) for a small additional charge.











Polarity 1 + (center negative)







Power	Part		Product	Pwr	Output Volts (VDC)/	Input	Output Connector ID x OD/Polarity	Pwr.		Size	Cords*	Wt.	Agency		Pric		
Δ.	Number	Brand A	Number A	(W)	Current (A)	VAC@Hz	F = female; M = male	Ind.	Color	(L" x W" x H")	(DC/AC)	(lbs.)	Approvals	1	10	50	100
							ut – Regulated :			(Continued)	0						
	320080	GlobTek	TR9CA6000LCP-Y	30		100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/ ²	0.7	UL/CUL/TUV/CE	\$24.69	\$22.89	\$20.59	\$18.55
	206528	Mean Well 2	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6'	1.5	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	229008	Phihong &	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ ²	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	21.18
	401041	ReliaPro O	EA10362	36	+12/3.0	120-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.9 x 1.8 x 1.2	6'/ ³	0.6	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	695033		TG-3601-12V	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.4 x 1.2	4'10"/ ³	0.6	UL/CUL/TUV/CE	18.95	17.10	15.39	13.75
	155214	Mean Well 2	P40A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	35.95	32.36	29.12	26.21
	297693	Mean Well R	P40A-3P2MU	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
Watt	355064	ReliaPro R	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/ ²	0.6	UL/CUL/TUV/CE	29.39	23.51	20.58	19.52
≥	229017	Phihong 2	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ ²	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
30-40	221576	Mean Well R	P40A-4P2JU	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
9	230481	Phihong 2	PSA31U-180	30 1	+18/1.6	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ ² 6'/ ²	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.75
` '	229025	Phihong ?	PSA31U-240	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4		0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.66
	181885	Mean Well R	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/TUV/CE	35.95	32.36	29.12	26.21
	297757	Mean Well R	P40A-6P2MU PSA31U-480	40 30	+24/1.7 +48/0.63	90-264@47-63	2.5mm x 5.5mm F 2	Yes No	Black Black	4.3 x 2.6 x 1.4 4.5 x 2.4 x 1.6	6'/6' 6'/ ²	0.7	UL/CUL/VDE/CE UL/CUL/TUV/CE	35.95 26.95	32.36	29.12 23.09	26.21 21.91
	229032	Phihong &		. :		90-264@47-63	2.1mm x 5.5mm F 2								24.26		
	221584	Mean Well R	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6' 4'/ ²	0.8	UL/CUL/TUV/CE	33.95	30.56	24.44	18.33
	211191	Westinghouse	FSA30P31	30	+5/3, ±12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7		1.1	UL/CSA/TUV	25.95	23.35	18.68	14.01
	404443	AcroPower	ASX30T-577/07	30	+5/3, +12/0.1	100-240@50-60	5-pin DIN M	No	Black	6.0 x 3.5 x 2.0	6'/6'	2.0	UL/CUL/CE	19.95	17.95	14.36	10.77
	221487	Mean Well 🕀	SPU50-1U	50	-12/0.5 +5/10	90-264@47-63	E nin DINIM	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	36.95	33.95	31.95	29.49
	622547	Samsung	AD-4212L	42	+12/3.5	1 100-240@50/60	5-pin DIN M 1.6mm x 4.0mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/ ²	0.6	UL/CUL/CE	21.95	19.75	15.80	(11.85)
	622555	_	AD-4212L AD-4212L-2.1	42	+12/3.5	100-240@50/60		Yes	Black	4.5 x 2.1 x 1.2	6'/ ²	0.6	UL/CUL/CE	24.95	22.45	17.96	13.47
±	447099	Samsung Potrans	UP0482112D	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2 2.1mm x 5.5mm F 2	Yes	Black	4.5 x 2.1 x 1.2 4.6 x 2.5 x 1.4	6'/ 2	0.0	UL/CUL/TUV	32.69	26.13	22.86	(17.19)
Watt	1537256	Ault	PW125RA2403F2	41	+24/1.7	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	3.9 x 2.6 x 1.7	6'/ 2	0.7	UL/CUL/TUV/CE	27.95	25.15	22.69	19.95
0	221702	Mean Well 2	P50A13D-R1BU	50	+5/4.0. +12/2.0	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	48.95	44.09	39.69	35.69
1-50	221702	IVICALI VVCII 🖊	F 30AT3D-KTBU	30	-12/0.5	70-204@47-03 I	3-piii Diiv ivi	163	DIACK	3.7 × 3.0 × 1.7	470	1.5	OL/COL/TOV/CL	40.73	44.07	37.07	33.07
41	211107	Fortron	FSA55P31	45	+5/5, +12/3 -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/ ²	1.6	UL/CSA/TUV	49.95	44.96	35.96	26.24
	237367	Mean Well 🗶	P50A14E-R1BU	42	+5/3.5; +15/1.2 -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	36.95	33.25	32.39	31.53
	155231	Mean Well 2	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	49.95	44.95	39.95	35.95
	297722	Mean Well 🗷	SPU50-3P2MU	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
	376607	Mean Well 2	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	379672	Mean Well 2	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	391743	Mean Well 🕿	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	221429	Mean Well 2	U65S105-P2JU	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	58.46	52.61	43.84
=	221437	Mean Well 2	U65S106-P2JU	80	+15/5.33	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
Na	243046	Mean Well 2	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	38.49	34.91	32.21	29.55
60-80 Watt	221445	Mean Well 2	U65S107-P2JU	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
J-8	161606	Mean Well 2	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.6	1'9"/6'	1.3	UL/CSA/TUV	44.95	39.95	35.95	32.95
9	297634	Mean Well 2	SPU50-6P2MU	60		95-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	44.95	39.95	35.95	32.95
	1537125	EDAC 2	EA1050B-240	60	+24/2.5	100-240@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.8 x 2.4 x 1.4	6'/ 2	1.8	UL/CUL/TUV/CE	34.95	31.45	28.30	25.45
	355056	ReliaPro 🗷	JR-TT-66-24	66	+24/2.75	90-264@50-60	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/ ²	1.2	UL/CUL/TUV/CE	37.85	35.96	34.16	32.45
	221453	Mean Well R	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	376615	Mean Well 2	P66A-8P2JU	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	379681	Mean Well 2	P66A-8P2MU	66	+48/1.37	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.92	27.93	26.59
	172065	Mean Well R	SPU50-9U	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CSA/TUV	44.95	40.49	36.45	32.79
	221462	Mean Well 2	U65S111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
$\overline{}$															– .		

^{*} See accessory table-top power cord chart on page 233 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

[▲] Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

[☼] Blue Part No. = Limited Quantity Available

AC-to-DC Regulated & Unregulated Table-Top Power Supplies

Color Code Legend

New Sale Lower\$ QtySave

We will change any power plug (pg 162) on any table-top power supply (100 pc. minimum) for a small additional charge.

AC-to-DC Regulated Linear Table-Top Power Supplies



e.					Output		Output Connector										
Power	Part		Product	Pwr	Volts (VDC)/	Input	ID x OD/Polarity	Pwr.		Size	Cords	Wt.	Agency		Pric	ing	
Ā	Number	Brand A	Number 🔺	(W)	Current (A)	VAC@Hz	F = female; M = male	Ind.	Color	(L" x W" x H")	(DC/AC)	(lbs.)	Approvals	1	10	50	100
						2-V	Vire AC Input – Regu	ılate	d Line	ear							
25	211060	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm rt angle F 2	No	Black	3.4 x 2.7 x 2.2	6'6"/6'	1.7	UL/CSA	\$11.95	\$10.76	\$8.85	\$6.45
7	174844	Jameco ⊕	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.0 x 2.5	6'/6'	2.6	_	18.65	16.78	13.42	10.07
						3-V	Vire AC Input – Regu	ılate	d Line	ear							
	664261	Intermec	062035	3.75	+5/0.75	120@60	4-pin DIN M	No	Black	4.4 x 2.5 x 2.0	6'/6'	1.6	UL/CSA	\$14.95	\$13.49	\$10.76	\$8.07
22	689661	Regal	R1JG-5500	30	+5/1; -5/0.5	120@60	5-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	21.95	19.95	17.49	14.95
ب	689653	Regal	RJM-551228	55	+5/0.9; -5/0.2;	120@60	6-pin DIN M	No	Black	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	24.95	22.49	19.95	16.49
				l ¦	+12/0.62; -28/0.16	 											

[▲] Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

AC-to-DC Unregulated Table-Top Power Supplies



ower	Part		Product		Output Volts (VDC)/	Input	Output Connector ID x OD/Polarity	Pwr.		Size	Cords	Wt.	Agency		Pric	ing	
P	Number	Brand A	Number 🔺	(W)	Current (A)	VAC@Hz	F = female; M = male	Ind.	Color	(L" x W" x H")	(DC/AC)	(lbs.)	Approvals	1	10	50	100
						2	-Wire AC Input – Ur	reg	ulated	1							
	190051	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	\$9.95	\$8.99	\$7.19	\$5.39
	243109	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	Black	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	13.95	12.56	10.04	7.53
	354941	Terayon 🗸	AD-121ADT	12	+12/1.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.2 x 2.3 x 1.9	6'/6'	1.4	UL/CUL	12.95	11.49	8.75	6.09
atts	136565	Jameco	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'/6'	1.2	_	15.35	13.82	11.05	8.29
Na	140880	Jameco	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	14.25	12.82	11.54	10.39
30 \	143714	_ ⊕	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	16.45	14.80	13.32	11.99
9-3	143722	Jameco ⊕	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	14.25	12.82	11.61	10.44
	143731	_ ⊕	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	Black	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	14.25	12.64	10.40	9.44
	139096	Jameco	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	Black	4.4 x 3.1 x 2.6	6'/6'	2.5	_	16.45	14.80	13.32	11.99
						3	-Wire AC Input – Ur	reg	ulated	l							
25	157956	Everglow	EFU120150	18	+12/1.5	120@60	2.5mm x 5.5mm F 2	No	Black	3.4 x 2.7 x 2.2	6'/6'	2.0	UL	\$12.05	\$10.85	\$8.68	\$6.51
15-	196306	_	A51813D	23	+18/1.3	120@60	2.5mm x 5.5mm F 2	No	Black	3.6 x 2.4 x 2.0	6'/6'	1.8	UL/CSA	12.95	11.69	9.34	7.01

[▲] Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

Just Added Over 65,000 New Products

42 New Major Brands at www.Jameco.com



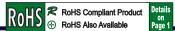
ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. 🗸 This product has a RoHS equivalent, manufacturer may vary.



1537504

1537521

1537512



We will change any power plug (pg 162) on any table-top power supply (100 pc. minimum) for a small additional charge.

Compact DC Regulated Switching **Power Adapter with Detachable Plugs**

This state-of-the-art switching power adapter offers some major advantages such as stabilized outputs, short-circuit and overload protection, compact design, and low idle consumption versus typical wall adapters.

- Plugs (mm): Male: 2.5, 3.5; Female: 1.0 x 3.0, 1.3 x 3.5, 1.7 x 4.0, 2.1 x 5.0, 1.5 x 5.5 and 2.5 x 5.5
- Size: 2.9"H x 1.2"W x 1.9"D
- Output voltages: 3/4.5/6/7.5/9/12 VDC @ 800mA (reg.) with 1.5A max. output

Part No.	Input Voltage	Power Output	Efficiency	Wt. (lbs.)	Price
239565	100-240VAC 🗷	10W	80%	0.2	. \$19.95

Welleman 13W Compact Switching Power Supply

- Input voltage: 110-240VAC @ 50/60Hz
- · Selectable outputs: 3VDC, 4.5VDC, 5VDC, 6VDC, 6.5VDC, 7VDC
- · Power LED indicator
- Output current: 1.9A (2.5A max.)
- Output connectors: 2.5mm x 5.5mm right angle, 2.1mm x 5.5mm right angle, 1mm x 5mm, 1.1mm x 3.8mm, 1.4mm x 3.5mm, & 0.75mm x 2.4mm

Part No.	Product No.	Size (H x W x D)	Price
1537539	PSSM10VU	3.2" x 1.2" x 2.2"	\$32.95

aslewar

24-Watt Switching Power Supply

- Input voltage: 100-240VAC @ 50-60Hz
- · Low electromagnetic interference
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China
- · Output current: 2A
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm.

2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm x & 1.7mm x 4mm

Part No.	Product No.	Size (H x W x D)	Price
1537491	PSSMV3	4.7" x 3.3" x 2.5"	\$39.95

36-Watt AC-to-AC Table-Top Power Supply

- Input voltage: 120VAC @ 60Hz
- Output voltage: 12VAC @ 3A
- Input connector: 6' long/2-prong AC plug
- Output connector: 6' long/2.1mm x 5.5mm female

Part No.	Product No.	Size (L x W x H)	1	10	50
455611	D571203000	3.6" x 2.6" x 2.3"\$	11.95	\$10.76	\$9.68

vellemen. **Switching Table-Top Power Supplies**

- · Short-circuit/overload protection
- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
 Input voltage: 100-240VAC @ 50/60Hz
- LED power indicator

Includes: power cord 1537504: 28W



- Output voltage: 5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC, 15VDC
- · Output current: 3.6A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.7mm x 4mm, 1.5mm x 5.5mm

1537521: 38W

- · Output voltage: 5VDC to 24VDC in 1V increments
- Output current: 1.5A to 4A
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm, 2.5mm x 5mm



- Output voltage: 15VDC/16VDC/18VDC/19VDC/20VDC @ 3.5A; 22VDC/24VDC @ 2.9A
- Output connectors: 2.1mm x 5.5mm right angle, 2.5mm x 5.5mm right angle, 1.64mm x 4.78mm, 2.99mm x 6.28mm, 6.5mm x 14mm

Part No.	Product No.	Size (L x W x H)	Price
1537504	PSSM4VU	3.8" x 2.2" x 1.2"	\$55.95
1537521	PSSM6VU	3.5" x 1.8" x 1.2"	49.95
1537512	PSSMV7U	5.5" x 3.2" x 1.7"	95.95



Universal 60-Watt Table-Top Power Supply

NEW

RoHS and CEC Compliant

- Input voltage: 90-264VAC @ 40-50Hz (2-wire input)
- Short-circuit, overcurrent, overvoltage protection
- Input power saving: 0.75W max. for 240VAC @ no load
- Efficiency: 80% typical
- Output voltage: 24VDC @ 2.5A
- 2.1mm x 5.5mm female center positive
- UL/CUL/TUV/CE approved

Part No.	Product No.	Size (L x W x H)	1	10	50
229843	PSC60W-240-R ₹	5.1" x 2.4" x 1.3"	\$36.49	\$32.85	\$29.55

We're committed to providing you with the best service in the industry.

Medical Table-Top & Wall Switching AC-to-DC Power Supplies

GlobTek[®]

AC-to-DC Medical Table-Top **Regulated Switching Power Supplies**

. \$1 ∪s (£) (€

- Input voltage: 90-264VAC @ 47-63Hz
- · Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC Regulation (line & load): ±5%
- 3-wire AC input
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078, pg 248
- UL/CUL/TUV/CE approved for medical applications
- Ripple and noise: 1% or 100mV, whichever is smaller
- Size: 2.9"L x 2.0"W x 1.6"H



Part	Product	Power	Output		Pr	icing	
Number	Number	(W)	Volts (VDC)/Current (A)	1	10	50	100
230682	TR9CE1250CP ⊕	15.6	+12/1.3	\$32.95	\$29.65	\$26.69	\$23.99
230691	TR9CG1200CP ⊕	18.0	+15/1.2	32.95	29.66	23.73	22.17
230739	TR9CA6000LCP 🕿	30.0	+5/6.0	46.95	42.26	33.80	32.08
230763	TR9CE4000LCP 🕿	49.2	+12/4.0	52.95	47.65	42.89	38.59
230772	TR9CG3333LCP ₹	49.5	+15/3.3	46.95	42.26	37.17	33.55
230797	TR9C121001 CP (4)	50.4	+24/2 1	47 55	35 79	32 21	31 64

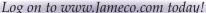
GlobTek®

AC-to-DC Medical Regulated Switching Wall Adapters c \$1 ∪s (♣) C €

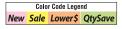
- Input voltage: 100-240VAC @ 47-63Hz
- 3-prong input plug Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- · 2.5mm x 5.5mm female center positive
- · Output cord length: 6'
- Size: 2.9"H x 1.9"W x 1.6"D
- Agency approval: UL/CUL/TUV/CE approved for medical applications



Part	Product	Power	Output	Pricing			
Number	Number	(W)	Volts (VDC)/Current (A)	1	10	50	100
230842	WR92E1250LCP ⊕	15.6	+12 @ 1.3	\$30.95	\$27.86	\$25.07	\$22.56
230877	WR92I750LCP ❖	16.8	+24 @ 0.75	25.45	22.91	20.62	18.56



RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



AC-to-DC Regulated Switching Wall Adapters

Color Code Legend New Sale Lower\$ QtySave

JAMECO ReliaPro

· 2-wire AC input

Color: black

"Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

One-vear warranty



We'll Brand the Adapters With Your Company Name Call 1-800-831-4242 for Details







			, ,							
Part	Cross Ref.	Output	Rating	Size	Wt.		Pri	cing		
Number	Number	Volt (VDC)	Curr. (mA)	(H"xW"xD")	(lbs.)	1	10	50	100	
251563	S08AA033150 ⊕	3.3	1500	2.5x1.1x1.7	0.2	\$12.05	\$10.93	\$10.09	\$9.74	
251598	S15AA033250 ⊕	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.47	10.59	10.22	
252701	S08AB050050 🕿	5.0	500	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.34	
252719	S08AB050100 🕿	5.0	1000	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74	
252727	S08AB050150 🕿	5.0	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21	
252735	S15AB050250 🕿	5.0	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60	
252752	S08AD090050 🗷	9.0	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74	
252770	S08AD090090 🗷	9.0	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22	
252778	S15AD090120 🕿	9.0	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60	
252786	S15AS090170 🗷	9.0	1500	2.9x1.3x2.2	0.3	13.75	12.47	11.52	11.11	

2.5x1.1x1.7

Output Volt.

(VDC)

5

12

9

12

5

12

48

Current (A)

1.0

0.42

2.0

1.12

0.84

3.0

1.25

0.31

0.2

11.55

Output cord length: 6'
 Output connector: 2.1mm x 5.5mm F2 (center positive)

• Input voltage: 100 - 240VAC @ 47-63Hz

Part	rt Cross Ref. Output Rating Size Wt. Pric				cing	ing			
Number	Number	Volt (VDC)	Curr. (mA)	(H"xW"xD")	(lbs.)	1	10	50	100
252806	S08AE120050 ↔	© 12.0	500	2.5x1.1x1.7	0.2	\$12.05	\$10.93	\$10.09	\$9.74
252815	S08AE120070 🕿	12.0	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252823	S15AE120100 🕿	12.0	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252832	S15AE120140 🕿	12.0	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
254756	S15AF150080 ⊕	15.0	800	2.9x1.3x2.2	0.2	13.15	11.94	10.99	10.60
252903	S15AF150120 🗷	15.0	1000	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252849	S08AH240013 ⊕	24.0	130	2.5x1.1x1.7	0.2	11.55	10.40	8.32	6.24
252857	S08AH240025 ⊕	24.0	250	2.5x1.1x1.7	0.2	12.05	10.85	8.68	6.51
252865	S15AH240050 ⊕	24.0	500	2.9x1.3x2.2	0.3	13.15	11.84	9.47	7.10
252874	S15AH240063 🕿	24.0	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52



S08AE120025 2

Product No

PSA05R-050 2

PSA05R-120 ₹

PSM11R-050 ₹

PMS11R-090 ₹

PSM11R-120 ₹

PSA15R-050P 2

PSA15R-120P ₹

PSA15R-480P ₹

252794

Energy Star/European Compliant Interchangeable-Plug Wall Adapters

Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

- Field changeable AC plugs (sold separately, see below)
- Power-On LED Double insulated Input voltage: 90-264VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive





 Class B EMI · Energy Star and ECOC compliant

Ripple

(mVp-p)

50

120

100

100

120

50

120

480





Shown with plug clip included

Wall Adapters (Plug clip required, see below)

· Applications: wireless communications, portable equipment, digital camera, peripherals, networking

Power (W)

5

10

10

10

15

15



Pricing Efficiency Dimensions Line Regulation Regulation (%) (L" x W" x H") 25 100 \$13.05 \$11.85 \$11.35 ±5% ±5% 60 2.8 x 1.8 x 1.2 \$11.07 ±5% 2.8 x 1.8 x 1.2 13.45 12.22 11.65 11.07 ±5% 60 +5% +5% 65 - 70 2.8 x 1.8 x 1.2 14.69 13.78 13.25 12.70 ±5% 65 - 70 2.8 x 1.8 x 1.2 14.29 13.49 13.11 12.70 ±5% ±5% ±5% 65 - 702.8 x 1.8 x 1.2 14 29 13.44 13 11 12 70 +5% 70 - 85 2.8 x 2.0 x 1.3 17.05 15.89 +5% 18.29 15.92 70 - 85 2.8 x 2.0 x 1.3 +5% +5% 18.29 17.05 15.92 15.89 ±5% 70 - 85 2.8 x 2.0 x 1.3 18.29 17.05 15.92 15.89

Plug Clip Kit (sold separately, required for above adapters)



Part No

228743

228770

662864

662872

662881

662899

662910

663728



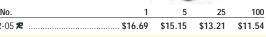
Part No.	Product No.	Description	1	10	50	100
229181	RPKIT ≉	Kit w/ RPA/RPE/RPK/RPS	\$2.85	\$2.58	\$2.50	\$2.42



2.5 Watt USB Power Adapter with Interchangeable Plug

- USB socket Efficiency: 55% (typical)
- Voltage input range: 90-264VAC @ 47-63Hz
- Voltage output: 5VDC @ 0.5A
- Leakage current: 0.20µA max.
- UL/CUL/TUV/CE approved
- · ECOC compliant and RoHS compliant
- Size: 2.97"L x 1.81"W x 1.25"H

Part No.	Product No.	1	5	25	100
662805	PSC30R-05 ₹	\$16.69	\$15.15	\$13.21	\$11.54



TRIAD Triad AC/DC Wall Adapters

- AC/DC unregulated
- Input rating: 120VAC @ 60Hz
- · Output rating: 6-18VDC
- 6' cord lengths

These products ship from a separate warehouse and may not ship the same day Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete AC/DC Wall Adapter Offering at www.Jameco.com/Prod/TriadWall

Free Technical Support

Our knowlegeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product



2-Wire AC Input - AC-to-DC Regulated Switching Wall Adapters

236752 319881

We specialize in Wall Adapters - Call for additional OEM PRICING. will change any power plug (pg 162) on any DC wall adapter listed (100 pc. minimum)

for a small additional charge. (center negative)

(center positive)





Part		Product	Output Voltage	Rating Current	Output Connector ID x OD/Polarity	Input	Size	Case	Output Cord	Weight	Agency		Pric	ing	
Number	Brand▲	Number▲	(VDC)	(mA)	F = female; M = male	VAC @ Hz	H" x W" x D"	Color	Length	(lbs.)	Approvals	1	10	50	100
230544	Phihong 🕿	PSA05A-050	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.4 x 1.8 x 1.0	Black	4'	0.4	UL/CUL	\$17.95	\$16.95	\$15.95	\$14.95
228881	Phihong 🕀	PSC10A-050	5	2000	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.09	11.88	11.12	10.36
210894	ReliaPro ₹	S15AB050200	5	2000	2.5mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
236752	GlobTek ₹	WR92A2600CCP†	5	2600	2.1mm x 5.5mm F 2	100-240@50-60	2.9 x 1.9 x 1.6	Black	6'	0.5	UL/CUL/TUV/CE	13.49	12.15	10.95	9.85
319881	Mean Well 🗷	ES18U05-PIJ	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
228937	Phihong 🕀	PSC15A-050	5	3000	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.20	11.40	10.60
379621	Mean Well 🕀 😋	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380323	Mean Well 🕿	ES25U05-P1M	5	4000	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380008	Mean Well 🕿	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380331	Mean Well ⊕	ES25U07-P1M	7.5	2930	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	16.49	15.64	14.86	14.12
228891	Phihong 🗷	PSC10A-090S	9	1100	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.79	11.99	10.99	10.49
228945	Phihong &	PSC15A-090	9	1600	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.85	11.59	11.45	11.35
319899	Mean Well 🕿	ES18U09-PIJ	9	2000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
380139	Mean Well 🗷	ES25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380350	Mean Well 🕿	ES25U09-P1M	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228954	Phihong 2	PSC15A-120	12	1250	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
312865	Mean Well 🕿	ES18U12-P1J	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	12.29	11.35	10.62	9.89
380155	Mean Well 🕿	ES25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380357	Mean Well 🕀 🙃	ES25U12-P1M	12	2080	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	20.15	19.51	18.93	17.98
319920	Mean Well 🗷	ES18U15-PIJ	15		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380172	Mean Well ?	ES25U15-P1J	15		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380366	Mean Well 2	ES25U15-P1M	15		2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380190	Mean Well 🕿	ES25U18-P1J	18		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380374	Mean Well ?	ES25U18-P1M	18		2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228971	Phihong 2	PSC15A-240	24		2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
319928	Mean Well 🗷	ES18U24-PIJ	24		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380200	Mean Well 🕀	ES25U24-P1J	24		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380391	Mean Well R	ES25U24-P1M	24		2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380219	Mean Well 🕿	ES25U28-P1J	28	890	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380402	Mean Well 🕀	ES25U28-P1M	28		2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380234	Mean Well 🕀 🖸	ES25U36-P1J	36		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	11.96	10.95	9.93
380412	Mean Well ?	ES25U36-P1M	36		2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6,	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380243	Mean Well R	ES25U48-P1J	48		2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380446	Mean Well 2	ES25U48-P1M	48		2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
					Other Manufa		Great Dea						Quantity		
308048	Potran	UWP010210500	5	1500	2.1mm x 5.5mm right angle F 2	100-240@60	2.8 x 1.4 x 2.1	Black	10'2"	0.5	UL/CUL	\$11.05	\$9.39	\$7.05	\$4.95
228726	ORB	777-052000S-UF	5		2.1mm x 5.5mm F 2	100@60	3.1 x 2.1 x 1.5	Black	5'	0.5	UL/CUL	12.95	11.49	10.49	9.49
308697	Both Hand	MI-10505	5		2.1mm x 5.5mm F 2	120@60	2.2 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	10.65	9.59	7.67	(5.75)
189190	Interex	EPA101MU-05B	5		2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.49	11.24	8.99	7.19
689864	DVE	DSA-0151A-05	5		2.5mm x 5.5mm right angle F 2		3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	11.95	10.75	9.49	7.95
684721	Hitron	HESIO-06020-0-2			2.1mm x 5.5mm right angle F 2		3.1 x 2.2 x 1.3	Black	6'	1.2	UL/CUL/CE	12.95	11.75	10.49	8.95
308671	Highpower	HPW-1009U	9		2.1mm x 5.5mm F 2	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.3	UL/CUL/TUV/CE		10.70	8.56	6.42
421649	Unifive	US100913	9		2.5mm x 5.5mm F 2	100-120@50-60	2.4 x 1.7 x 1.2	Black	6'	0.2	UL/CUL	11.89	10.70	8.56	(6.42)
1537547		AD1512C	12			100-240@547-63		Black	6'	0.3	UL/CUL	13.49	12.15	10.95	9.49
							2.0								,

† 3-wire AC input

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

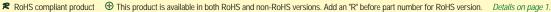
♦ Blue Part No. = Limited Quantity Available

More AC-to-DC Wall Adapters listed on pages 240 - 243

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.





AC-to-DC Regulated Linear Wall Adapters RoHS Compliant Product RoHS Also Available

RoHS Also Available





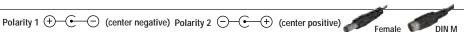


· One-year warranty



2-Wire AC Input – AC-to-DC Regulated Linear Wall Adapters

We specialize in Wall Adapters - Call for additional OEM PRICING. We will change any power plug (pg 162) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.





				Rating	Output Connector				Output				Dela	lm.e.	
Part		Cross Ref.	Voltage	Current	ID x OD/Polarity	Input	Size	Case	Cord	Wt.	Agency		Pric	-	
Number	Brand A	Number 🔺	(VDC)	(mA)	F = female; M = male	VAC @ Hz	H" x W" x D"	Color	Length	(lbs.)	Approvals	1	10	50	100
164101	ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	CSA	\$10.95	\$9.86	\$8.87	\$7.98
220935	ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	12.29	11.06	8.85	6.64
168605	ReliaPro	DBU050100	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.55	11.54	10.62	9.12
190512	ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	7.65	6.89	5.98	4.47
220898	ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.65	7.29	6.85	6.45
162996	ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.86	8.87	7.98
170245	ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	15.35	13.82	12.43	10.36
174861	ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
174879	ReliaPro	RFU240050	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
					Other Manufact	turers —	- Great Dea	als			SALE	Qu	antity S	4VE	
289182	AESP	AD-5600RDU	5	600	2.1mm x 5.5mm F 2	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	\$10.49	\$9.45	\$7.55	\$5.65
319986	_	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	7.16	5.37
297941	-	JOD-480-08	5	1000	2.5mm x 5.5mm F 2	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	10.99	9.89	7.91	5.94
681571	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	10.95	8.95	6.95	5.21
154624	Motorola	512-305-4C3E	+5/±12	500/130	8-pin DIN M	120@60	2.9 x 2.6 x 1.9	Black	6'	1.2	UL/CSA	12.95	11.66	10.09	9.29
283573	-	DC600500	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.85	7.05	6.21	5.49
190529	NOMA	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.79	5.21
425527	Condor	48-9-700R	i 9	700	2.1mm x 5.5mm F 1	120@60	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.89	10.97	10.42	9.50

[▲] Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

2-Wire AC Input – AC-to-DC Unregulated Wall Adapters

ReliaPro



We specialize in Wall Adapters - Call for additional OEM PRICING. We will change any power plug (pg 162) on any DC wall adapter listed (100 pc. minimum) for a small additional charge

Output Connector

• Input: 120VAC @ 60Hz · One-year warranty







Quantity SAVE

Polarity 1 + (center negative)	Female	Ma	le Stripped	Polarity 2 — (center positive)

Output Rating

			Output		output connector			Output						
Part		Cross Ref.	Voltage	Current	ID x OD/Polarity	Size	Case	Cord	Wt.	Agency		Pric	ing	
Number	Brand A	Number A	(VDC)	(mA)	F = female; M = male	H" x W" x D"	Color	Length	(lbs.)	Approvals	1	10	50	100
112070	ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	\$8.05	\$7.25	\$6.52	\$5.87
155601	ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	5.19	4.67	4.20	3.50
119255	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	4.75	4.28	3.85	3.46
101266	ReliaPro	DBU060050	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.59	4.28	3.42	2.57
15544	ReliaPro	DBU060050	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.75	4.28	3.42	2.57
147707	ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.45	4.94	4.46	4.02
220943	ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	7.15	6.44	5.15	3.86
220951	ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	4.75	4.35	3.92	3.57
280250	ReliaPro	DDU075110	7.5	1100	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	6.26	5.01	3.76
127511	ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F 2	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.88	6.30	4.73

Other Manufacturers — Great Deals

237227	Freeplay O	DX351307	4.5	100	1.3mm x 3.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	\$1.29	\$1.15	\$1.04	\$.94
320303	Globtek	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.49	8.55	6.85	5.15
219651	_	FE4823-050E120	5	1200	2.5mm x 5.5mm F 2	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	5.15	4.47	3.71	2.78
237251	Freeplay	DPX350817	6	100	2.1mm x 5.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.53
302439	_	AD-0630M	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.99	3.59	2.87	2.15
682363	Epson	HOOAA	6	600	2.1mm x 5.5mm F 1	2.4 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	4.49	3.95	3.49	2.49
227951	_	JOD-48U-33	6	2100	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.79	7.15	6.45	5.79
248751	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.49	5.85	4.69	3.50
249279	AESP	MW41-0751000	7.5	1000	2.1mm x 5.5mm F 2	3.2 x 2.0 x 1.7	Black	6'	0.8	UL/CUL	6.95	6.26	5.01	3.76

[▲] Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

More AC-to-DC Wall Adapters listed on pages 238, 239 & 241 - 243

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to <u>NewProducts@Jameco.com</u>.

Output



EXCLUSIVE

AC-to-DC Unregulated Wall Adapters





We specialize in Wall Adapters - Call for additional OEM PRICING. We will change any power plug (pg 162) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• Input: 120VAC @ 60Hz • One-year warranty







Polarity 1 + (center negative) Female Male

	I		Outment	Dating	Output Connector			Outmut			1			
Part		Cross Ref.	Output Voltage	Current	Output Connector ID x OD/Polarity	Size	Case	Output Cord	Wt.	Agency		Pric		
Number	Brand A	Number A	(VDC)	. (,	F = female; M = male	H" x W" x D"	Color	Length	(lbs.)	Approvals	1	10	50	100
100845	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	\$4.49	\$3.97	\$3.48	\$3.14
134025	ReliaPro	DBU090020	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	6.05	5.15	4.25	3.18
100837	ReliaPro	DBU090020	9	200	3.5mm M 2	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	4.35	3.95	3.58	3.25
133891	ReliaPro	DBU090030	1 9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.49	3.05	2.59
189238	ReliaPro	DBU090030	i 9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.79	4.31	3.45	2.61
318676	ReliaPro	DBU090030	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.29	3.86	3.09	2.54
202155	ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	3.65	3.26	2.93	2.64
140636	ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F 2	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	4.59	4.13	3.30	2.69
202171	ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.79	4.30	3.44	2.81
163628	ReliaPro	DCU090050	i 9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.35
100853	ReliaPro	DCU090050	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.45	4.90	4.41	3.97
147731	ReliaPro ⊕	AD-11950	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	4.55	4.09	3.69	3.39
236937	ReliaPro	DCU090050A	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.35	5.72	5.14	3.86
15561	ReliaPro	DCU090050	I 9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	5.35	4.81	4.33	3.90
202180	ReliaPro	DCU090060	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.39	4.83	4.35	3.68
100175	ReliaPro	DCU090060	i 9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.22	4.68	4.35
202198	ReliaPro	DCU09080	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.65	6.89	6.20	5.58
364576	ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.75	7.87	6.98	6.06
127504	ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.25	7.42	6.68	5.55
15587	ReliaPro	DDU090100	9	1000	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
130526	ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.29	6.59
143693	ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F 2	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.95	9.86	8.03	5.99
163993	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 1	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.25	4.73	4.25	3.83
100095	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.92	3.12	2.34
158043	ReliaPro	DBU120020	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.85	4.54	3.81	2.85
220433	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	4.95	4.46	3.57	2.68
185658	ReliaPro	DBU120020	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.76	3.81	2.86
219601	ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	4.35	3.91	3.12	2.34
318692	ReliaPro	DBU120030	12	300	1.3mm x 3.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.52
127976	ReliaPro	DCU120030	1 12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.25	4.59	3.85	3.25
249236	ReliaPro	DBU120030	12	300	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	5.35	4.82	3.86	2.90
190502	ReliaPro 🕀	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.35	6.62	5.30	4.00
114825	ReliaPro	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.25	4.78	3.80	2.85
15368	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.15	6.44	5.79	5.21
102496	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.79	4.58	4.00	3.81
131300	ReliaPro	DCU120050	12	500	2.1mm x 5.5mm right angle F 2	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
102277	ReliaPro	DCU120050U	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
17267	ReliaPro	DCU120050	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
202201	ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.45	4.90	4.32	3.99
202219	ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.69	5.14	4.11	3.08
					Other Manufacturers	— Great L	Deals			Quant	ity SAVE		SAL	E)
622563	Stancor	STA-3590B	9	100	2.1mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	\$3.95	\$3.55	\$3.19	\$2.89
355936	-	35-9-200C	9	200	1.3mm x 3.5mm F 2	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.79	3.41	2.72	2.05
237243	Freeplay	DPX351322	9	200	2.1mm x 5.5mm F 2	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	2.35	2.15	1.92	1.74
400899	WABI	LF09250D-08	9	250	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.09	3.27	2.86	2.15
657029	Motorola	SPN4622A	9	300	1.3mm x 3.5mm right angle F 2	2.3 x 1.8 x 1.5	Black	6'	0.4	UL	4.29	3.86	3.09	2.32
169519	Panasonic	KX-TCA1	9	350	2.1mm x 5.5mm right angle F 1	2.7 x 1.7 x 1.6	Dk. Gray	6'	0.4	UL/CSA	3.85	3.47	3.12	2.81
319177	Explore Tech. ۞	41-9-5000	9	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.15	3.74	2.99	2.24
170270	Panasonic	PQLV1	9	500	2.1mm x 5.5mm right angle F 1	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67
652341	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.75	4.29	3.49	2.49
421577	Powerline	0900-12	9	850	2.5mm x 5.5mm F 2	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	7.35	6.62	5.29	3.97
164929	_	DDU090100	9	900	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	8.75	7.86	6.33	4.72
227774	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	7.15	5.75	4.29
421690	_	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	7.15	5.68	4.97	3.73
285958	API	AP2072P	9	1000	2.5mm x 5.5mm right angle F 2	2.5 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	6.26	4.99	3.75
237067	APS	D9-15-950	9	1500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.3	UL/CUL	9.95	8.96	7.16	5.37
457799	Condor	DSA-0151F-09	9	200	2.1mm x 5.5mm F 1	3.2 x 2.1 x 1.7	Black	6'	0.5	UL/CUL	12.75	11.83	11.24	10.68
684836	Southwest Bell	KEC-41-100-5	10	500	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.65
661079	_	DP300-04	12	200	2.1mm x 5.5mm right angle F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.59	2.89	2.10
201099	_	SPN4230A	12	300	1.3mm x 3.5mm right angle F 2	2.3 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	4.99	4.49	4.05	3.35

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek Blue Part No. = Limited Quantity Available

More AC-to-DC Wall Adapters listed on pages 238 - 240, 242 & 243 ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

AC-to-DC Unregulated Wall Adapters (Continued)

Color Code Legend New Sale Lower\$ QtySave





We specialize in Wall Adapters - Call for additional OEM PRICING.

We will change any power plug (pg 162) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.





• Input: 120VAC @ 60Hz One-year warranty **Quantity SAVE**

				Tilput. 120VAC @ 60Hz Tone-year warranty				Q	uantity SA	AVE				
Part Number	Brand 🛦	Cross Ref.	Output Ra Voltage (VDC)	Curr. (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Wt.	Agency Approvals	1	Prio	ing 50	100
121232	ReliaPro	DDU120080	12		3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	\$6.79	\$6.13	\$4.91	\$3.67
117479	ReliaPro	DDU120080	12		2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.65	6.89	6.20	5.58
129331	ReliaPro	DDU120080	12	•	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	6.15	5.54	4.98	4.48
100870	ReliaPro	DDU120100	12		2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	8.99	8.09	7.28	6.55
105478	ReliaPro	DDU120100	12		2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
15392	ReliaPro	DDU120100	12		3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
213559	ReliaPro ⊕	GPC-081	12		Auto lighter power outlet	4.3 x 2.2 x 1.9	Black	_	1.1	UL/CUL	13.95	12.56	11.30	10.10
196779	ReliaPro	DDU120120	12		2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036	ReliaPro	DDU120150	ı		2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.25	12.82	10.29	7.69
313226	ReliaPro	DFU120150	12		Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	11.45	10.40	9.33	8.30
136881	ReliaPro	DFU120150	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.25	12.82	11.54	10.39
101291	ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	11.45	10.30	9.27	8.35
249738	ReliaPro ⊕	MW57-1202000	12		Stripped & tinted	3.3 x 2.7 x 2.2	Black	10'	2.0	UL/CUL	9.95	8.95	8.05	7.25
308099	ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.95	8.09	7.16	6.22
212812	ReliaPro	DBU140020	14	200	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.35	3.07	2.80	2.52
212821	ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	4.95	4.45	3.55	2.66
123932	ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.73	5.05
202243	ReliaPro	DDU140070	14	700	2.5mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	8.95	8.06	6.44	4.83
202260	ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	8.75	7.65	6.88	5.16
190001	ReliaPro	DCU150050	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
189982	ReliaPro	DCU150050	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
155803	ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	9.85	8.86	7.09	5.31
232258	ReliaPro	DDU150080	15	800	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL	4.75	4.34	3.94	3.58
203502	ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.65	6.89	5.51	4.13
151992	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 1	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652	ReliaPro	DDU150100	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.55	9.50	8.55	7.69
162317	ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	8.75	7.65	6.86	6.15
181729	ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.65	6.89	5.50	4.12
163272	ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	10.95	9.86	8.38	6.29
206958	ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285	ReliaPro	DDU240040	24		2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635	ReliaPro	DDU240050	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.85	9.75	7.77	5.84
191556	ReliaPro	DDU240050	24		2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.89	7.98	6.66
139088	ReliaPro	DDU240050	24		3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.75	7.19	6.45	5.35
168495	ReliaPro	DFU240080	24		2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.05	10.84	9.76	8.78
220960	ReliaPro	DFU240100	24		2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	15.29	14.25	12.53	11.98
249130	ReliaPro	AFU240120/G8530	•	•	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249121	ReliaPro	DFU240120/G8520	ı		2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249113	ReliaPro	DFU240120/G8510			2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523	ReliaPro	DDU300050	30		2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.86	7.89	(5.92)
215095	ReliaPro 🕀	MW48-4800250	48		2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.35	7.49	6.79	6.05
230632	ReliaPro 🗷	MW48-4800250-2.1	48		2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	4.89	4.39	3.99	3.67
215108	ReliaPro	MW57-4800500	48		2.5mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	_	11.95	10.76	9.68	8.71
230640	ReliaPro ⊕	MW57-4800500-2.1	48		2.1mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	_	11.95	10.76	8.60	6.45
15309	ReliaPro	900-051	3, 4.5, 6,		1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	202224	Disale		0.7	LII /0C A	0.40	0.54	7.0	
100150	ReliaPro †	000 100	7.5, 9, 12		1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.54	7.69	6.92
123158	ReliaPIO		6, 7.5, 9, 12		2.5, 3.5 Male , 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	None	10.95	9.86	8.87	7.00
			0, 7.5, 9, 12					0	0.9	None	10.95	9.86	8.87	7.98
					Other Manufacturers	— Great L	<i>Deals</i>							
355590	Southwestern Bell	PS-400	12	400	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	\$4.99	\$4.49	\$3.99	\$3.59
1537441	CUI INC.	KA12D1200450344	12	450	2.1mm x 5.5mm F 2	2.5 x 1.8 x 1.5	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695252	_	L4D-120050R	12		1.3mm x 3.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695261	-	L4D-120050R-2.5			2.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
695279	_	L4D-120050R-3.5	•		3.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.49	3.95	3.49	2.95
305103	_	AD1250-5LE	12		2.1mm x 5.5mm F 2	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	4.39	3.99	3.15	2.36
240101	Broadxent	AD-121AN	I 12		2.1mm x 5.5mm F 2	2.8 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	6.99	6.29	5.03	3.77
189579	Fellowes	BCU12100	12		2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.75	7.91	6.32	4.79
447081 129314	Technics •	TEAD-48-131000U DV-1250	13.5 14		2.1mm x 5.5mm F 2 2.5mm x 5.5mm right angle F 2	2.9 x 2.3 x 1.9 2.3 x 2.0 x 1.6	Black Black	6'	1.0 0.6	UL/CUL UL/CSA	7.99 5.19	7.08 4.67	5.75 3.74	4.31
681563	Ault	P48151000A020G			2.5mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6,	1.2	UL/CSA	8.95	7.95	6.95	5.90
001003	NiteRider	FE4126180P040	18		2.5mm x 5.5mm F 2 w/ LED indicator	3.5 x 2.1 x 1.6	Black	6,	0.8	UL/CUL	5.99	5.39	4.31	3.23
217568						U.U Z. I A I.U	Diuck		0.0	SEFOOL	0.77	0.07	7.01	0.20
217568 206957					•		Black	6'	1.4	None	9.95	8.96	7.16	5.37
217568 206957 404339	GlobTek Ault	WD1H1000LCX P48240500A020G	18	1000	2.5mm x 5.5mm F 2 2.1mm x 5.5mm F 2	3.4 x 2.6 x 2.1 2.5 x 2.3 x 2.0	Black Black	6'	1.4 0.9	None UL/CSA	9.95 7.45	8.96 5.99	7.16 5.24	5.37 4.97

† 120 to 220VAC

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek **♦** Blue Part No. = Limited Quantity Available

More AC-to-DC Wall Adapters listed on pages 238 - 241

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





2-Wire AC Input - AC-to-AC Wall Adapters

JAMECO **Relia**Pro

We specialize in Wall Adapters - Call for additional OEM PRICING. We will change any power plug (pg 162) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.













Input: 120VAC @ 60Hz	 One-year warranty

Part		Cross Ref.	Output Voltage	Rating Current	Output Connector ID x OD Plug Type	Size	Case	Output Cord	Wt.	Agency		Pric	ing	
Number	Brand A	Number A	(VAC)	(mA)	F = female; M = male	H" x W" x D"	Color	Length	(lbs.)	Approvals	1	10	50	100
249017	ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$5.69	\$5.15	\$4.10	\$3.69
100061	ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	5.05	4.53	3.63	2.73
236814	ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	5.45	4.90	4.41	3.97
102234	ReliaPro	ACU090100	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
157041	ReliaPro	ACU090100	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.65	6.89	6.20	5.58
112336	ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.86	7.89	5.92
101258	ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	5.05	4.54	3.71	3.28
10081	ReliaPro	ACU120100	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	5.69	5.14	4.62	4.16
100167	ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	4.95	4.46	3.56	2.67
10428	ReliaPro	ACU120100	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	5.69	5.15	4.65	4.19
167151	ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	5.45	4.94	4.39	3.69
307838	ReliaPro	ADU120160	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL \$1 3	⁹⁵ 11.09	8.88	7.96	5.97
153761	ReliaPro	ADU120160	12	1600	3.5mm M	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.05	10.84	9.76	8.78
171408	ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.44	3.55	2.66
318684	ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	9.00	8.03	6.85
100108	ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
163053	ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.79	7.25	6.55
121216	ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	6.77
87581	ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.69	5.12	4.61	4.15
140599	ReliaPro	ADU240100	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	9.85	8.90	7.14	5.38
10102	ReliaPro	ADU240100	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	8.75	7.89	7.09	5.95
176356	ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	11.55	10.40	9.36	8.42
					Other Manufacturers –	– Great De	als			Quan	tity SAVE			
210729	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm F	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	\$3.95	\$3.55	\$2.84	\$2.13
249295	Pacrim	41A-9-700	9	700	2.5mm x 5.5mm F	2.3 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	4.39	3.95	3.56	(2.67)
233293	Horizon ⊕	ACU090080	9	800	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	5.15	4.64	3.71	2.78
320258	Ault	T48091500A010G	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	8.95	8.05	6.44	4.83
217550	Frino	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	5.95	5.36	4.28	3.21
688634	_	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	5.95	5.35	4.75	3.95
285069	Shogyo	DV-1283	12	830	2.5mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.45	3.56	2.67
206404	MG Electronics	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	_	0.9	UL/CSA	6.95	6.29	5.65	5.09
210737	ITE Power Supply	PPI-1212UL	13	1200	2.1mm x 5.5mm F	3.3 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	4.95	4.49	3.59	2.69
421585	JBL Inc	A12-1A-01	14	850	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	White	6'	0.6	UL/CSA	5.55	5.00	4.00	(3.00)
185439	Ault	T5182200-A020G	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	None	8.25	7.42	5.94	4.46

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

24

ACU-190051

MGT2410

MGT2420

White Blue Part No. = Limited Quantity Available

Black

2.5 x 2.0 x 1.7

2.5 x 2.0 x 1.7

3.2 x 2.2 x 1.9

308718

206421

206439

AC-to-AC Table-Top Step-Down Adapter · Output volts: 16VAC

510

420

830

• Input voltage: 120VAC @ 60Hz

Comtrend

MG Electronics 😂

- Output current: 4.0A
- Output plug: 2.1mm (ID) x 5.5mm (OD) female
- Attached AC cord Agency approvals: CSA
- Size: 3.7"L x 2.9"W x 2.5"H · Weight: 2.8 lbs.

Part No. Manufacturer **Product Number** 176604 TA661640 · Output watts: 64W Cord (AC/AC): 6'/6' · Color: black

Screw terminals

Screw terminals

2.5mm x 5.5mm right angle F





0.6

0.6

Wall Adapter Enclosures

6.49

2.99

5.84

6.49

2.75

5.26

5.85

115052

2.45

4.73

Enclosures include 3-prong power plug and cable strain relief

UL/CUL

UL/CSA

UL/CSA

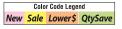
- Size: 3.4"H x 2.7"W x 2.3"D
- Material: noryl Color: black

Part No.	Style	1	10	100
115052	Non-vented ≈			
115043	Vented ⊕	2.59	2.20	1.65

Save Big! Special Values!

Sale Priced Items = Yellow Exceptional Quantity Discounts = Green

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Color Code Legend New Sale Lower\$ QtySave

· Wide selection to meet your power requirements

Part	Cross Ref.			Primary	Secondary	Power		Dimensio	ns	Wt.		Pricing	
Number	Number*	Fig.	Туре	Voltage	Voltage	(VA)	H"	W"	D"	(lbs.)	1	10	100
99573	AC110V50 ⊕	1/A	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	\$9.95	\$8.99	\$8.09
85016	AC110V300 ⊕	2/A	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	27.95	24.90	18.63
111851	AC110V500 ⊕	2/A	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	34.95	31.49	29.98
221250	GSD-1000 ⊕	2/A	Auto	220VAC	110VAC	1000	4.63	3.81	6.06	17.0	59.95	50.96	38.22
142906	AC110V1500 ⊕	2/A	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	79.95	67.96	55.63
99477	AC220V50 ⊕	1/B	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	8.95	8.09	7.25
85008	AC220V300 ⊕	2/B	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	27.95	24.90	22.40
221217	P8689 ⊕	2/B	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	65.05	60.43	48.02
221313	G1SD-500 ↔	2/A	Isolation	220VAC	110VAC	500	4.69	3.75	6.00	16.0	89.95	76.46	57.35
222092	G1SD-1000 ⊕	2/A	Isolation	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	149.95	127.46	95.60
221331	G1S-500 ≉	2/B	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	67.11	50.33



Fixed & Variable Power Transformers

6VAC/9VAC Dual Output **Power Transformer**

12VA

- · Input voltage: 120VAC
- Output voltage: 6VAC @ 500mA center tap (blue wires); 9VAC @ 1A
- center tap (yellow wires) Size: 2.1"L x 2.6"W x 2.0"H
 Weight: 1.3 lbs.

Reduce Electromagnetic Interference (EMI) with a

snap of these suppression

install and an affordable

way to reduce EMI with-

out redesigning your product.

Size (OutDia. x InDia. x L)

.82" x .45" x 1.42" 🕀

Size (L" x W" x H")

.64" x .20" x 1.15" ⊕ \$.99

.78" x .34" x 1.40" ⊕ **1.45**

cores around a power cord or data cord. Easy to

Closed

1

1.30 x .70 x .77 (black) \$1.85 \$1.57 \$1.18

Quantity SAVE

10

10

\$.89

100

\$.79

1.15

(.74)

Part No.	Cross Ref. No.	1	10	100
183089	YS57H-099FAA	\$4.29	\$3.65	\$2.74

EMI Suppression Cores with Case

320VA Variable AC Transformer

- · Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 and 109112 (disconnect .25" solderless terminals), pg 162
- Maximum current: 2.5A
- · Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- · Panel mount
- · One-year warranty

Includes: 3 disconnect .25" solderless terminals Part No. Description 149324 \$53.95 \$48.59 \$43.75

550VA Variable AC Transformer

- · Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A
- · Panel mount
- · Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- · Weight: 6.8 lbs. · One-year warranty

Part No.	Description	1	10	50
152937	550VA variable ≉	\$62.95	\$53.51	\$47.88

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

110/220VAC Variable Transformers

Output Receptacle

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- · Output: 0-240VAC
- Banana/screw input terminals

Quantity SAVE

- Universal US/ European output plugs
- Lighted on/off power switch



121276

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69438)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V (P/N 10401)	9.4 x 6.5 x 7.7	14.8
152581	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8
	, , , , , ,		

Part No.	Description 1	10	50
121276	500VA trans. ₹ \$79.95	\$69.95	\$62.95
129008	1000VA trans. ₹ 164.95	140.21	105.16
152581	2000VA trans. 🟵 179.95	149.95	121.86

120VAC to 120VAC **Isolation Transformer**

300VA

- Input voltage:120VAC @ 60Hz
- · Input connector: 5.5' cord with 2-prong plug
- Output voltage:
- 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D
- · Weight: 7.0 lbs.



Current Sensing Transformers

Round

Part No.

218173

217841

318705

Square

Part No.

421681

Current Sensing Transformers

Current sense transformers are used to detect current passing through a conductor. These transformers are very reliable and operate effectively over the frequency range of 20kHz – 200kHz. Constructed of UL rated 130°C materials.

- · Primary is inserted through hole in casing
- Rated primary current renders approximately 40°C temperature rise Arrow side of primary conductor has same polarity as pin #1
- Lower \$\$\$

		ET Vµsec	Turns	Min. Ind.	DCR	Primary			
Part No.	Product No.	Ref. 20kHz	Count	(mH)	Max. (Ω)	Arms	1	10	25
627621	CST306-1A	500	20	3.5	0.34	35 \$	3.99	\$3.26	\$2.90
627647	CST306-2T ◆	1000	100CT*	14	1.55	25	4.69	4.44	2.92

- *CT = center tap
- This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

- Class 1 Current Transformer
- Maximum voltage: 660VAC • Frequency: 50-60Hz
- Size: 2.95"W x 1.70"D x 3.36"H
 Weight: 1.1 lbs.

Includes: Mounting bracket and hardware Part No. Cross Ref. No. Power Ratio





Current Sensing Transformer

- · Inductance: 5mH
- · Sensitivity current (Iin): 1A
- Freq. range: 10-50 kHz
- Terminating resistor: 50Ω
- Turns: 60
- · Max. current: 300mA
- Sensitivity voltage (Vout): 1V
- Size: 0.7"W x 0.46"D x 0.8"H



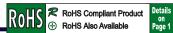
RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1

Part No.

164718



Manufacturer may vary



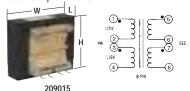
Split-Bobbin Power Transformers

Quantity SAVE

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

Primary: 115/230VAC, 50-60Hz

 PC terminal pin spacing for accurate placement



		Triad	Input		Individual	Parallel	Series	Dimensions		Wt.		Pricing		
Part No.	Cross Ref. No.	Cross*	Voltage	VA	Output	Output	Output	L"	W"	Н"	(lbs.)	1	10	100
221292	DSW-312 ⊕	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$5.25	\$4.46	\$3.35
102534	XFR1205SB ₹	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32	1.64	1.38	0.4	7.95	7.16	6.44
210956	DST2-24-845	_	115/230	1.1	12V @ .045A	12V @ .09A	24VCT @ .045A	1.17	1.40	0.95	0.2	6.49	5.52	4.14
176090	SPT41240-120 ↔	FS24250	115/230	6.0	12V @ .25A	12V @ .50A	24VCT @ .25A	1.32	1.63	1.40	0.5	5.95	5.25	4.59
102592	XFR2405SB ⊕	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.79	7.95	5.49
148559	XFR3603SB ⊕	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.46	0.7	7.49	6.69	6.05
209015	ST-6-48	_	115	19.2	24V @ .40A	24V @ .80A	48VCT @ .40A	1.88	2.25	1.40	0.8	2.59	2.32	2.11

^{*} Triad cross is for reference only

Quick-Connect Power Transformers

· Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements

† Terminal solder lug are on same side

Input voltage: 115/230VAC, 50-60Hz
 Terminals: quick-connect, solder



	Cross	Triad		Input	Output		Size of	D	Dimensions		Wt.	Wt.		
Part No.	Ref. No.	Cross*	Fig.	Voltage	Voltage	VA	Connect	L"	W"	H"	(lbs.)	1	10	100
104387	XFR1225Q ⊕	FD612	1	115/230VAC	12.6VCT @ 2.5A	31.5	0.141"	2.21	2.32	2.00	1.3	\$9.29	\$7.90	\$5.92
104409	XFR1635Q	FD716†	1	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	12.95	11.01	8.26
101865	XFR24240 ₹	FD724	1	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	11.95	10.16	7.62
104417	XFR3615Q ₹	FD736	1	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	9.95	8.96	6.72

115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

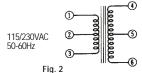
• Primary: 115VAC or 115/230VAC, 50-60Hz

29226

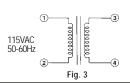








* Triad cross is for reference only





	Cross	Iriad		Primary			ı Se	condary			Lead			Dimensio	ns	Wt.		Pricing	
Part No.	Ref. No.	Cross#	C	olor Code		VA	Voltage		Color Coo	le	Туре	Fig.	L"	W"	H"	(lbs.)	1	10	100
102162	XFR6102 ⊕	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.84	2.40	1.67	0.8	\$8.49	\$7.22	\$5.41
105524	XFR0910 ≈	_	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.82	2.43	1.67	0.7	6.95	5.91	4.43
221399	P-8657 ⊕	F218X	Black	_	Black	24.0	12VAC @ 2A	White	_	White	Wire	3	1.89	2.75	1.99	1.3	9.15	7.78	5.84
221356	P-8658 ⊕	F219X	Black	_	Black	48.0	12VAC @ 4A	White	_	White	Wire	3	2.25	4.00	2.63	2.3	12.95	11.95	9.95
29226	XFR122 ₹	F44X	Yellow	_	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.41	2.79	1.99	1.5	9.95	8.99	7.99
102154	XFR1220 ⊕	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	10.95	9.81	7.33
149770	XFR1240 ⊕	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	3.20	2.25	2.2	12.95	11.69	10.49
102120	XFR124 ⊕	F181U	Black	_	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.45	3.21	2.26	2.7	12.95	11.69	10.49
105532	XFR1810 ≉	_	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.20	2.81	1.99	1.2	6.95	6.26	5.31
149957	XFR1820 ≉	_	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.25	3.15	2.71	1.8	8.95	7.95	6.95
221381	P8396 ⊕ o	_	Black	_	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.80	1.97	0.6	7.65	6.88	6.19
102112	XFR2410 2	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.41	2.80	1.99	1.5	8.95	7.61	5.71
221373	P-8662 2	F192X	Black	-	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.14	3.16	2.27	2.3	11.95	10.16	7.62
112512	XFR242N ↔	F229X	Black	_	Black	48.0	24VAC @ 2A	White	_	White	Wire	3	2.33	3.16	2.28	1.8	10.35	9.39	8.49
221364	P-8663 [†] ⊕	F193U	_	_	_	96.0	24VCT @ 4A	¦ —	_	_	Lug	1	2.81	2.94	4.00	4.0	22.55	21.19	17.79
221410	P-8666 [†] ⊕	F226U	—	_	—	288.0	24VCT @ 12A	¦ —	—	_	Lug	1	4.63	3.75	4.63	11.2	45.95	41.85	38.17
99653	XFR242 ⊕ o	_	Red	_	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	3.22	2.30	2.5	11.95	10.35	7.99
102103	XFR2520 ⊕	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	3.22	2.26	2.8	14.95	13.40	12.10
149796	XFR2820 ⊕	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	3.22	2.26	2.3	13.95	12.85	9.64

† Solder terminals

* Center tap

Triad cross is for reference only

◆ Blue Part No. = Limited Quantity Available

TRIAD Low Frequency Current Sensing Transformer

Designed to monitor current in low frequency applications. May be used to monitor current from 0.1A to 30A @ frequencies from 50Hz to 400Hz.

- Turns ratio: primary to sense 1:500
- Typical output: 110mV/amp
- Suggested burden resistor: 60Ω
 Constructed with UL recognized materials
- Hi-pot: 500V
- Sense DCR: 21Ω max.
- Primary DCR: 250uΩ max.

Part No.	Product No.	Description	1	10	100
627591	CSE187L♠	Current sensing transformer	\$2.09	\$1.81	\$1.66

TRIAD

Split Bobbin Transformers

- · High-pot tested @ 2500Vrms
- 6-pin
- UL recognized
- Primary: 115/230VAC, 50-60Hz

			Secon	dary	Dimensions	Pricing		
Part No.	Prod. No.	VA	Series	Parallel	H" x W" x L"	1	10	100
628308	F24-1500 ◆	36	24VCT @ 1.5A	12V @ 3.0A	0.29x2.29x2.63	\$14.55	\$9.88	\$9.08
628316	F24-800 ◆	20	24VCT @ 0.8A	12V @ 1.6A	1.06x1.88x2.25	11.25	7.60	7.09

♦ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product 💮 This product is available in both ROHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page



TRIAD

Chassis Mount — Quick Pack

- · Hi-pot tested at 2,500Vrms
- Terminal size: 0.187" x 0.021"
- Mounting hole size: 3/16" CT = center tap

Single Primary = 115V

			Pwr.		Dimensions	Price		
Part No.	Prod. No.	Circuit	(W)	Output	(L" x W" x H")	1	10	100
628771	F4-24 ◆	В	6	24VCT @ 0.25A	2.38 x 1.25 x 1.38	\$6.95	\$5.93	\$5.39
628893	F5-16 ♠	В	12	16VCT @ 0.8A	2.81 x 1.38 x 1.63	7.59	5.95	5.51
628922	F5-35 ♠	В	12	36VCT @ 0.35A	2.81 x 1.38 x 1.94	7.59	6.59	5.90
629079	F6-24 ◆	С	30	24VCT @ 1.25A	3.25 x 1.69 x 1.94	10.29	8.97	8.03
629061	F6-120 ◆	С	30	120VCT @ 0.25A	3.25 x 1.69 x 1.94	11.89	8.83	8.03
629132	F7-12 ♠	С	56	12.6VCT @ 4A	3.69 x 1.81 x 2.25	14.29	12.48	11.17
629167	F7-24 ♠	С	56	24VCT @ 2.4A	3.69 x 1.81 x 2.25	14.29	12.48	11.17
618687	F8-16 ♠	E	100	16VCT @ 6.25A	4.03 x 2.25 x 2.56	20.55	18.05	16.15
618695	F8-20 ◆	С	100	20VCT @ 5A	4.03 x 2.25 x 2.56	20.55	19.13	16.04
618708	F8-24 ♠	С	100	24VCT @ 4A	4.03 x 2.25 x 2.56	20.55	18.05	16.15
618716	F8-36 ♠	С	100	36VCT @ 2.8A	4.03 x 2.25 x 2.56	18.19	15.83	15.50

Dual Primary = 115/230V

			Pwr.		Dimensions	Price		
Part No.	Prod. No.	Circuit	(W)	Output	(L" x W" x H")	1	10	100
629191	FD4-12 ♠	D	6	12.6VCT @ 0.5A	2.38 x 1.25 x 1.38	\$8.45	\$7.35	\$6.58
629212	FD4-28 ♠	D	6	28VCT @ 0.2A	2.38 x 1.25 x 1.38	6.75	6.41	5.88
629280	FD5-16 ♠	D	12	16VCT @ 0.8A	2.81 x 1.38 x 1.63	9.35	8.14	7.29
629301	FD5-24 ♠	D	12	24VCT @ 0.5A	2.81 x 1.38 x 1.94	9.35	7.62	7.03
629319	FD5-28 ♠	D	12	28VCT @ 0.42A	2.81 x 1.38 x 1.63	10.79	8.01	7.29
629351	FD6-10 ♠	E	30	10VCT @ 3A	3.25 x 1.69 x 1.94	13.99	9.50	8.81
629378	FD6-20 ♠	E	30	20VCT @ 1.5A	3.25 x 1.69 x 1.94	13.99	9.50	8.81
629407	FD6-56 ◆	E	30	56VCT @ 0.54A	3.25 x 1.69 x 2.31	13.99	10.38	9.44
618775	FD8-24 ♠	E	100	24VCT @ 4A	4.03 x 2.25 x 2.56	21.65	20.14	17.73
618783	FD8-28 ♠	E	100	28VCT @ 3.6A	4.03 x 2.25 x 2.56	21.65	20.14	17.73

Chassis Mount — Control

- Hi-pot tested at 1,500Vrms
- Terminal: solder lugs
- Secondaries may be connected in series or parallel for expanded voltage and current ranges
- Commonly utilized in various electronics, electromagnetic, & electrical control applications

		Pwr.	Seco	ndary	Case	Dimensions	Price				
Part No.	Prod. No.	(W)	Series	Parallel	Туре	(H" x W" x D")	1	10	100		
618345	F-105Z ♠	12	12VCT@1A	6V @ 2A	Z	2.38 x 2.88 x 1.25	\$15.15	\$14.41	\$13.06		
618353	F-109U ♠	192	24VCT@8A	12V @ 16A	U	4.29 x 3.44 x 3.56	48.19	42.91	37.65		

Chassis Mount — Single Secondary

- CT = center tap Connectors: leads
- Mounting holes: X type case 3/16";





X Type Case



U Type Case

		Primary	Secondary	Case	Dimensions		Price		
Part No.	Prod. No.	Voltage	Voltage	Туре	(H" x W" x D")	1	10	100	
628463	F-313X ♠	115/230	6.3V @ 0.6A	Х	1.38 x 2.38 x 1.38	\$12.55	\$9.31	\$8.47	
627719	F-113X ♠	115	12V @ 0.15A	Х	1.38 x 2.38 x 1.38	7.95	5.40	5.18	
627727	F-114X ♠	115	12V @ 0.7A	Х	1.63 x 2.81 x 1.63	8.65	5.82	5.43	
618450	F-221U ♠	115	12V @ 8A	U	3.81 x 3.13 x 2.38	21.99	18.71	15.44	
628818	F-44X ♠	115	12.6VCT @ 2A	Х	1.94 x 3.31 x 2.00	11.29	8.86	8.26	
628287	F-225X ♠	115	12.6V @ 4A	Х	2.63 x 4.00 x 2.06	15.15	12.23	11.36	
618370	F-182U ♠	115	12.6VCT @ 6A	U	3.38 x 2.81 x 2.44	41.79	35.09	28.39	
627743	F-116X ♠	115	24VCT @ 0.2A	Х	1.38 x 2.38 x 1.25	12.85	8.74	8.09	
628560	F-345X ♠	115/230	24VCT @ 1A	Х	1.94 x 3.31 x 2.00	12.79	10.47	10.02	
618548	F-260U ♠	115	24VCT @ 6A	U	3.25 x 3.13 x 3.25	37.69	25.09	23.74	
628720	F-40X ♠	115	26.8VCT @ 1A	Х	1.81 x 3.31 x 2.00	9.85	8.05	7.70	
628359	F-270U ♠	115	40VCT @ 1A	U	2.56 x 4.00 x 2.25	19.95	14.81	13.46	

Power Transformers

Chassis Mount — World Series

- · High pot tested @ 4.000Vrms
 - Primary: 115V/230V, 50/60Hz
- Mounting hole size: 13/64" x 3/8" • CT = center tap
- Both primary and secondary coils may be connected as either series or parallel, but both must be used simultaneously

		Pwr.	Second	lary	Dimensions	Price			
Part No.	Product No.	(W)	Series	Parallel	(H" x W" x D")	1	10	100	
619022	VPS10-17500♠	175	10VCT @ 17.5A	5V @ 35A	3.75 x 3.13 x 2.81	\$33.49	\$25.83	\$23.40	
619057	VPS16-8100♠	130	16VCT @ 8.1A	8V @ 16.2A	3.38 x 2.81 x 2.69	29.19	22.49	20.38	

PC Mount — World Series

- Primary: 115/230V; 50/60Hz
- Hi-pot tested at 4,000Vrms
- Both primary and secondary coils may be connected as
- either series or parallel, but both must be used simultaneously

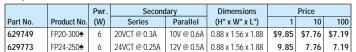
		Pwr.	Seco	ndary	Pin	Dimensions	Price			
Part No.	Product No.	(W)	Series	Parallel	Diameter	(H" x W" x D")	1	10	100	
630571	VPP10-1000♠	10	10VCT @ 1A	5V @ 2A	0.036" sq.	1.63 x 1.88 x 1.56	\$11.05	\$7.50	\$6.95	
630580	VPP10-2000♠	20	10VCT @ 2A	5V @ 4A	0.036" sq.	1.63 x 2.25 x 1.88	13.45	9.12	8.45	
630660	VPP16-310♠	5	16VCT @ 0.31A	8V @ 0.062A	0.025" sq.	1.38 x 1.63 x 1.31	9.85	6.69	5.94	
630678	VPP20-1500♠	30	20VCT @ 1.5A	10V @ 3A	0.045" sq.	1.56 x 2.63 x 1.29	15.45	10.53	9.31	

5 | 24VCT @ 0.21A | 12V @ 0.42A | 0.025" sq. | 1.38 x 1.63 x 1.31

PC Mount — Flat Pack

630723

- Primary: 115/230V, 50/60Hz
- Hi-pot tested at 2,000Vrms • CT = center tap
- · Split bobbin with side-by-side windings to reduce capacitance and eliminate the need for a static shield



PC Mount — Split Pack

- Primary: 115/230V, 50/60Hz · Hi-pot tested at 2,500Vrms
- CT = center tap
- PC terminal spacing for accurate placement



8-Pin

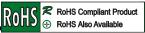
Dimensions

		PWr.		Secon	dary	Dimensions			
Part No.	Prod. No.	(W)	Pins	Series	Parallel	(H" x W" x L")	1	10	100
629976	FS16-070 ♠	1.1	8	16VCT @ 0.07A	8V @ 0.14A	0.94 x 1.13 x 1.38	\$8.29	\$5.46	\$5.00
629917	FS120-01 ♠	1.1	8	120VCT @ 0.01A	60V @ 0.02A	0.94 x 1.13 x 1.38	5.99	5.46	5.00
629888	FS10-250 ♠	2.5	8	10VCT @ 0.25A	5V @ 0.5A	0.81 x 1.13 x 1.38	7.45	5.82	5.39
627858	F12-200♠	2.5	6	12.6VCT @ 0.2A	6.3V @ 0.4A	0.81 x 1.13 x 1.38	7.29	4.94	4.58
628228	F20-120 ◆	2.5	6	20VCT @ 0.12A	10V @ 0.24A	0.81 x 1.13 x 1.38	6.29	5.40	4.75
628404	F28-85 ♠	2.5	6	28VCT @ 0.085A	14V @ 0.17A	0.81 x 1.13 x 1.38	7.29	4.94	4.58
628682	F36-65 ◆	2.5	6	36VCT @ 0.065A	18V @ 0.13A	0.81 x 1.13 x 1.38	6.29	5.49	4.91
630168	FS56-045 ♠	2.5	6	56VCT @ 0.045A	28V @ 0.09A	0.75 x 1.13 x 1.38	8.89	5.89	5.51
627786	F120-020 ◆	2.5	6	120VCT @ 0.02A	60V @ 0.04A	0.81 x 1.13 x 1.38	7.29	5.40	4.75
627891	F12-500♠	6	6	12.6VCT @ 0.5A	6.3V @ 1A	0.94 x 0.94 x 1.63	8.25	5.59	5.18
628244	F20-300 ♠	6	6	20VCT @ 0.3A	10V @ 0.6A	0.94 x 0.94 x 1.63	7.15	5.59	4.96
629950	FS12-1000 ♠	12	8	12.6VCT @ 1A	6.3V @ 2A	1.44 x 1.56 x 1.88	9.05	6.89	6.31
629992	FS16-800 ◆	12	8	16VCT @ 0.8A	8V @ 1.6A	1.44 x 1.56 x 1.88	10.45	6.89	6.31
630011	FS20-600 ♠	12	8	20VCT @ 0.6A	10V @ 1.2A	1.44 x 1.56 x 1.88	10.45	6.89	6.31
630053	FS24-500 ◆	12	8	24VCT @ 0.5A	12V @ 1A	1.44 x 1.56 x 1.88	9.05	6.89	6.31
630096	FS28-420 ◆	12	8	28VCT @ 0.42A	14V @ 0.84A	1.44 x 1.56 x 1.88	9.05	6.89	6.31
630133	FS48-250 ◆	12	8	48VCT @ 0.25A	24V @ 0.5A	1.44 x 1.56 x 1.88	10.45	7.11	6.59
629001	FS56-220 ◆	12	8	56VCT @ 0.22A	28V @ 0.44A	1.44 x 1.56 x 1.88	8.15	7.11	6.37
628391	F28-700 ◆	20	6	28VCT @ 0.7A	14V @ 1.4A	1.44 x 1.56 x 1.88	11.25	8.36	7.61
627866	F12-2850 ◆	36	6	12.6VCT @ 2.85A	6.3V @ 5.7A	1.56 x 1.29 x 1.63	14.55	9.92	8.81
628084	F16-2250 ◆	36	6	16VCT @ 2.25A	8V @ 4.5A	1.56 x 1.29 x 1.63	10.09	9.56	8.76
628236	F20-1800 ◆	36	6	20VCT @ 1.8A	10V @ 3.6A	1.56 x 1.29 x 1.63	14.49	10.78	9.80
630037	FS24-1500 ◆	36	8	24VCT @ 1.5A	12V @ 3A	1.56 x 1.29 x 1.63	16.05	10.88	9.79
628640	F36-1000 ◆	36	6	36VCT @ 1A	18V @ 2A	1.56 x 1.29 x 1.63	11.49	10.87	10.25

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.





TRIAD Power Transformers (Continued)

PC Mount — Single Primary, Dual Secondary

- Primary: 115V, 50/60Hz
- · Hi-pot tested at 1,500Vrms



Mounting hole size: 3/16"



Type A





Type B Type D

				Seco	ndary		Pricing				
		Case	Pwr.	Series	Parallel	Dimensions					
Part No.	Prod. No.	Туре	(W)	(VCT@A)	(V@A)	(H" x W" x L")	1	10	100		
627903	F-136P ◆	В	1.5	116 @ 0.013	58 @ 0.026	1.29H x 1.39L	\$17.95	\$13.34	\$12.14		
627997	F-149XP ◆	Α	1.5	12.6 @ 0.35	6.3 @ 0.7	1.44 x 2.38 x 1.70	12.79	9.50	8.64		
627954	F-143XP ♠	Α	4.5	30 @ 0.15	15 @ 0.3	1.44 x 2.38 x 1.70	10.39	9.14	7.92		
627962	F-144XP ◆	A	4.5	54 @ 0.084	27 @ 0.168	1.44 x 2.38 x 1.70	11.35	8.81	8.47		
627989	F-146XP ◆	A	4.5	116 @ 0.033	58 @ 0.066	1.44 x 2.38 x 1.70	12.85	8.70	8.36		
628130	F-168XP♠	D	4.5	32 @ 0.05	15 @ 0.195	1.44 x 2.38 x 1.70	13.35	9.92	9.03		

PC Mount — Dual Primary/Secondary

- Primary: 115/230V, 50/60Hz
- · Hi-pot tested at 1,500Vrms
- Mounting hole size: 3/16" CT = center tap





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		Case	Pwr.	Secon	dary	Dimensions	Pricing			
Part No.	Prod. No.	Туре	(W)	Series	Parallel	(H" x W" x L")	1	10	100	
628535	F-333P ◆	В	1.5	30VCT @ 0.05A	15V @ 0.1A	1.29H	\$7.09	\$6.18	\$5.46	
628631	F-359XP ◆	Α	10	24VCT @ 0.45A	12V @ 0.9A	1.63 x 2.81 x 1.88	6.59	5.74	5.06	

Isolation/Medical

- Primary: 115/230VAC, 50/60Hz
 Split winding

 Hi-pot te Line cor UL listed 		4	1	8						
		Pwr.	Primary	Secondary		Dimensions	Pricing			
Part No.	Product No.	(W)	Voltage	Voltage	Connections	(H" x W" x D")	1	10	100	
618943	N-66A ♠	250	115/230	115V @ 2.17A	Leads	4.63 x 3.94 x 4.63	\$59.09	\$55.34	\$51.58	

RIAD

Gate Drive Transformers

- Used in all high frequency switching topologies to isolate control circuitry from line-connected switches
- Turn ratios of 1:1 and 1:1.5
- Easily standardized at operating frequencies of up to 200kHz

These products ship from a separate warehouse and may not ship the same day Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

> See Complete Gate Drive Transformer Offering at www.Jameco.com/Prod/GateDriveTransformers

International Power Cords

- 3-conductor detachable power cords
- · Excellent resistance to jacket abrasion
- · BSI: British Standard Institution
- · Voltage rating: 300V
- Cord color: black
- · Cord type: H05VVF







174633 (End 2)



European Agency Approvals

KENA **(N)** SEMKO (S) SEV (t)

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			Agency	Cord		Pricing			
Part No. C	Cross Ref. No.*	Country	Approvals	Length	Conductors	1	10	100	250
117911 P	PCVDE-6B ₹	Europe	All in fig. 1	6 ft.	3/0.75mm ²	\$5.49	\$4.95	\$4.45	\$3.75
174633 2	21071H5182 🕿	UK/Ireland	BSI	8 ft.	3/1.0mm ²	6.49	5.84	5.26	4.73

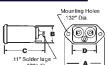
Manufacturer may vary

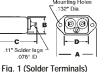
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Power Entry Filters & AC Receptacles







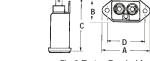


Fig. 2 (Fast-on Terminals)







Fig. 4 (218288)























Fig. 8 (210913)





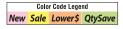
Fig. 10 (184903)

				Current	Voltage		Agency	Terminal	D	imensio	n (inche	s)		Pric	ing	
Part No.	Cross Ref. No.	Description	Fig.	(A)	(VAC)	Terminals	Approvals	Size	Α	В	С	D	1	10	100	500
150615	03AC1 ⊕	Power entry filter, straight (flanged)	1	3	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.58	1.58	\$5.95	\$5.36	\$4.28	\$3.21
667462	YB06T1	Power entry filter, straight (flanged)	1	6	250	Fast-on	UL/CSA/VDE	0.26"	1.98	0.82	2.16	1.57	4.49	3.89	3.79	3.70
667438	YB03A1-A	Power entry filter, straight (flanged)	2	3	250	Fast-on	UL/CSA/VDE	0.26"	2.05	0.98	2.15	1.58	4.95	4.29	4.19	4.08
63132	06AE1 ⊕	Power entry filter, straight (flanged)	2	6	250	Fast-on	UL/CSA/VDE	0.16"	1.96	0.88	2.06	1.58	6.95	6.26	5.01	3.75
16652	JR101 ₹	AC power inlet (male) flanged solder	3	10	250	Fast-on	UL/CSA/VDE	0.187"	1.96	0.89	1.07	1.58	.79	.71	.57	.41
218288	0708-1-CQ 😂	AC power outlet (female) flanged	4	10	250	Fast-on	UL/CSA/VDE	0.189"	1.97	1.14	1.27	1.58	.35	.29	.23	.21
321621	WS-044A ⊕	AC power inlet (male) w/ fuse chamber & fuse (snap-in)	5	10	250	Fast-on	UL/CSA/VDE	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29
667454	SM8301	Power entry filter, straight (flanged)	6	10	250	Fast-on	UL/CSA/VDE	0.25"	1.97	0.88	1.06	1.57	.52	.494	.44	.386
		Otl	her	Man	ufact	urers -	— Great D	eals								
165016	SUP-J15G-E-2	Power entry filter, straight (flanged)	1	15	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.18	1.58	\$5.95	\$5.35	\$4.85	\$4.05
395647	2VK1	Power entry filter	7	2	250	Fast-on	UL/CSA/VDE	0.25"	2.81	0.91	3.10	N/A	6.95	6.26	5.01	3.74
210913	01GEEW3E	Power entry filter, straight (flanged)	8	1	250	Wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	5.95	5.36	4.28	3.21
147109	42R02 ⊕	AC power inlet (male) snap-in	9	15	250	Fast-on	UL/CSA	0.25"	1.22	0.94	1.13	N/A	.65	.59	.468	.451
184903	42R363152IOU	AC power inlet (male) w/ switch (snap-in)	10	10	250	Fast-on	UL/CSA/VDE	0.25"	1.30	1.58	1.42	N/A	1.95	1.76	1.40	1.17
265527	WS-044 [†] ⊕	AC power inlet (male) w/ fuse chamber (snap-in)	5	10	250	Fast-on	UL	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29

- † Includes spare fuse holder Fuse type 5mm x 20mm (250V)
- Blue Part No. = Limited Quantity Available

🕏 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.







































Quantity SAVE

EXCLUSIVE

Power Strip Saver II (Fig. 12)







General Purpose Power Cords

Volts	Amps	VA
125	10	1250
125	12	1500
125	15	1875
	125	125 12

290B

388B

· Molded connectors · Voltage rating: 300 volts

386A/386E

Quantity SAVE

Gray 18/3 SVT 4.15 3.74 2.99 2.24

· Excellent resistance to jacket abrasion

 Temperature: 	-20°C to	+60°C
----------------------------------	----------	-------

14 125	15 18/5		• 16	empera	ture: -	20°C	to +60)°C			
Cross Cord Pricing											
Part No.	Ref. No.	Wt.	Fig.	Length	Color	AWG	Type*	1	10	50	100

	01033						Colu			9	
Part No.	Ref. No.	Wt.	Fig.	Length	Color	AWG	Type*	1	10	50	
2-conducto	or "8" style i	oow	er co	rd for I	aptop	s and	powe	r suppl	ies		

	o o.y.o				aptop	· · · · · ·	, ,,,,,,				
189587	VW-1	.30	1	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.37	\$2.10
355944	VW-1	.30	1	6'	Gray	18/2	SPT-2	2.05	1.84	1.48	1.11

2-conducto	2-conductor "D" style power cord for laptops and power supplies												
200791	LL114039	.30	2	6'	Black	18/2	SPT-2	\$2.95	\$2.65	\$2.37	\$2.10		

3-conduct	or power col	rd w	ith p	igtail				
279662	321/865	32	3	6'	Black	18/3	SVT	\$3.95

279662	32V86S	.32	3	6'	Black	18/3	SVT	\$3.95	\$3.49	\$2.95	\$2.59	
3-conductor power supply cord (shielded)												
1537459	LL6415	.40	4	9'10"	Beige	18/3	SJT	\$3.95	\$3.39	\$3.09	\$2.79	
190625	37805	75	1	10'	Reine	18/3	SIT	1 10	3 95	3 /10	(2.50)	

					9-						_
3-conducto	r power su	ply	cord	1							
192727	17501J	.64	4	10'	Black	18/3	SJT	\$3.95	\$3.59	\$2.89	\$

1337230	LL34011	1.72	4	0	Diack	10/3	331	4.55	4.07	3.07	3.33
3-conducto	or compute	er pov	ver s	supply (extens	sion c	ord				
420224	10W1-02212 G	Ð .53	5	12'	Black	18/3	SVT	\$3.89	\$3.02	\$2.87	\$2.73

3-conductor power cord w/hospital grade male (green dot) 82 3 10' Gray 14/3 SJT **\$9.95 \$8.95 \$7.95 \$6.95** 1537563

Jameco ValuePro™ Power Cords

	Cross						Cord		Pricii	ng	
Part No.	Ref. No.	Wt.	Fig.	Length	Color	AWG	Type*	1	10	50	100
2-conductor power cord with pigtail											
152187	17106BG ≉	.20	7	6'	Beige	18/2	SPT-2	\$1.29	\$1.16	\$.93	\$.70
124434	ST008 2	.16	7	6'	Black	18/2	SPT-2	1.15	1.03	.83	.69

Finermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service

JAMECO **Value**Pro

Jameco ValuePro™ Power Cords (Continued)

	Cross						Cord		Pricir	ng				
Part No.	Ref. No.	Wt.	Fig.	Length	Color	AWG	Type*	1	10	50	100			
Part No. Ref. No. Wt. Fig. Length Color AWG Type* 1 10 50 10 2-conductor power cord with pigtail with strain relief														
42041	17106 ↔	.25	7	6'	Black	18/2	SPT-2	\$1.15	\$1.03	\$.93	\$.78			

12011	17100	.20	,	0	Diuck	10/2	01 1 2	Ψ1.10	Ψ1.00	ψ. 70	Ψ.70			
3-conducto	3-conductor right-angle power supply cord													
117356	8120-6177 🟵	.41	8	6'	Grav	18/3	SVT	\$3.95	\$3.56	\$2.84	\$2.13			

117356	8120-6177 🕀	.41	8	6'	Gray	18/3	SVT	\$3.95	\$3.56	\$2.84	\$2.13
38076	17250R ⊕ 🙃	.54	8	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55

	3-conducto	or power co	rd w	ith p	igtail							
ı	38009	17237 🕿	.31	3	6'	Gray	18/3	SVT	\$2.39	\$2.15	\$1.72	\$1.29
ı	37997	17236 🕿	.30	3	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
ı	159409	17405B ⊕ ひ	.37	3	6'	Black	18/3	SJT	2.59	2.15	1.95	1.79
ı	102007	17535B ₹ †	.49	3	10'	Black	18/3	SVT	3.99	3.59	2.87	2.15
ı	196286	LL40378 🕿	.80	3	10'	Black	16/3	SJT	3.49	3.14	2.83	2.35
ı	100272	17629B 🕿	.88	3	9'	Black	14/3	SJT	4.59	4.29	3.79	3.59

3-conducto	3-conductor power supply cord (shielded)												
213874	17660BG ⊕	.40	4	6'	Beige	18/3	SVT	\$3.59	\$3.25	\$2.95	\$2.65		

3-conductor power supply cord 103747 17248 🕀 .34 4 Gray | 18/3 SVT \$3.89 \$3.50 \$2.80 \$2.49 38041 17249 🕿 .37 4 Beige 18/3 SVT 3.49 3.15 2.51 1.88

000	111211	1.0,		"	100.90	10,0		0	0			
38050	17250 🕿	.36	4	6'	Black	18/3	SVT	3.75	3.29	2.87	2.12	
132118	17500 🕿	.44	4	6'	Black	18/3	SJT	4.49	4.04	3.65	3.29	
117583	17502 🕀	.37	4	8'	Gray	18/3	SVT	3.49	3.14	2.83	2.54	
171096	17758	.60	4	8'	Black	18/3	SJT	3.95	3.56	3.17	2.85	
102024	17501V 🕿	.55	4	10'	Black	18/3	SVT	3.95	3.39	3.09	2.79	
163361	6952299 ↔	.33	4	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91	
3-conductor computer nower supply extension cord												

	o conductor compater power supply extension cord														
284	68	PEC	.36	5	6'	Black	18/3	SVT	\$3.89	\$3.50	\$2.80 \$2.10				
								,							

l	3-conaucto	or power col	ra w	/ nos	<i>ър</i> птат д	raae	maie	(greer	1 aot)			
l	132011	17006G 🕿	.82	6	10'	Gray	16/3	SJT	\$8.45	\$7.61	\$6.84	\$6.16
1	115078	17006 🕿	84	6	10'	Black	16/3	SIT	8 95	8 09	7 25	6 55

115078	17006 🕿	.84	6	10'	Black	16/3	SJT	8.95	8.09	7.25	6.55		
2-conductor computer monitor nower adapter cord													

177448	MPC1 🕿	.16	9	1'	Black	18/3	SVT	\$2.95	\$2.66	\$2.12	\$1.59

3-conductor power cord (power strip saver)													
199778	PSS-1 ₹	.16	11	1'	Black	18/3	SVT	\$1.69	\$1.55	\$1.39	\$1.25		
208338	SY0527BG ⊕	.16	11	1'	Beige	18/3	SVT	1.69	1.45	1.09	1.03		

3-conductor power cord ("Y" type power strip saver)													
208347	GPR-2006 ₹	.38	12	2'	Black	18/3	SVT	\$4.49	\$4.25	\$4.09	\$3.89		

†European standard insulation color code

Blue Part No. = Limited Quantity Available

319804

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ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1.







Jameco ValuePro™ Power Cords (Continued)

20 \$2.88

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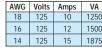


AWG

(Stranding)

Cord

Type*



		voiex	rig.	Plug Detail		AWG	Coru		1110	iiig		
	Part No.	X-Ref.	(p.248)	(see p.248)	Length	(Stranding)	Type*	1	10	50	100	Part No.
3-conductor power cord w/ piqtail, NEMA 5-15P pluq, PVC, black												
	00005	47000		, ,	· —	40/0				40.00	- T	340566

o oomaaoi	o defiduates perior cord in pigian, neithre for piag, 1 to, black													
38025	17238	3	_	8'	18/3	SVT\$	3.2 ⁹ \$2.69	\$2.51	\$2.29	\$1.71				
339688	40407 	3	_	8'	18/3(16x30)	SJT	2.49	1.89	1.77	1.71				
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1														

3-conduct	tor powe	r cora	l w/ pigtaii	I, NEM	IA 5-15P pi	lug, s	hielded,	black	(
166925	17516	3	_	6'7"	14/3	SJT	\$3.95	\$3.56	\$3.2

3-conductor power cord w/ pigtail, NEMA 5-15P plug, unshielded, black

339733	17534%	3	290B	6'7"	18/3(41x34)	SVT	\$2.35	\$1.74	\$1.65	\$1.60
339881	17515🎗	3	290B	9'10"	16/3(65x34)	SJT	3.45	3.35	3.25	3.15

3-conductor power cord w/ pigtail, NEMA, PVC, unshielded, gray										
173809	17405 ↔	3	_	6'	18/3	SJT	\$2.35 \$2.	12 \$1.70 \$1.28		

3-conduct	3-conductor power cord w/ pigtail, shielded, black												
339995	17751%	13	910	6'7"	18/3(41x34)	SVT	\$3.65	\$3 45	\$3.25	\$3.09			

3-conductor power cord w/ pigtail, unshielded, black

340056	17537	13	910	9'10"	18/3(41x34)	SJT	\$3.75	\$3.39	\$2.69	\$2.05
340072	17521🎗	10	386E	9'10"	16/3(26x30)	SJT	3.85	3.69	3.59	3.39
340099	17539🎗	13	910	9'10"	16/3(26x30)	SJT	4.49	4.27	4.05	4.04

Volex

X-Ref

Fia.

الل	(
-----	---

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

Pricing

10

50 100

3-conduct	3-conductor power cord, "Y" twin end, black														
					18/3(41x34)										
340531	17269A	14	150/250A	10'	18/3(41x34)	SJT	8.59	6.45	6.15	5.85					

3-conductor right angle detachable power cord, shielded, PVC, black													
173252	17745🏞	8					\$3.29						
340152	17606	8	290B/910	6'7"	18/3(41x34)	SJT	7.65	7.03	6.34	5.70			

3-conductor right angle detachable power cord, unshielded, PVC, black 340355 17508 8 290B/910 6'7" 16/3(26x30) SJT \$2.59 | \$2.47 | \$2.35 | \$2.33 3.95 | 3.59 | 3.19 | 2.69 177384 17507 18/3

3-conductor detachable power cord, shielded, PVC, black

Plug Detail

(p.248) (see p.248) Length

161761	17742	15	290B/386A	6'	18/3		\$3.95			
159361	17602 ↔	15	_	6'	16/3	SJT	3.79	3.41	2.73	2.05
340267	17605 😂	15	173/386E	9'10"	14/3(41x30)	SJT	11.45	10.54	9.57	8.79

3-conductor detachable power cord, unshielded, PVC, black

173243

Laser

143853

)				,	,		,				
					3.0'	16/3(26x30)	SJT	\$3.69	\$2.72	\$2.59	\$2.50
1	125541	17504 ↔	15	_	6'7"	14/3	SJT	4.95	4.46	4.01	3.12
_											

^{*}Thermoplastic Cord Jacket Type: SPT-2 (Flat): Junior duty; SVT (Round): Light service; SJT (Round): Junior service; SJO (Round): Junior service with oil-resistant jacket † Temp. rating: 105°C

Blue P/N = Limited Quantity Available

Laser Products

60° Line Generating Lens

- Adjustable focus range: 50cm to ∞
- · Back focal length: 1.5mm
- Focal length: 8.0mm
- · Beam divergence: 2.0mrad
- Lens construction: 3E.3G (glass)

· Operates on 3VDC @ <5mW

Beam diameter: 5 x 8mm

Working distance: over 50

Laser module, brass ⊕

Laser Diode and Driver

Laser driver ⊕ 7.95

• 650nm wavelength

meters (daylight),

200 meters (dark)

Part No.

310519

Size: 0.9"L x 0.3"Dia.

182932: Laser Diode

5mW maximum

· Optical output power:

· Operating current: 30mA • Operating voltage: 2.6V maximum

 5.6mm packaging size Beam divergence of 11

from center line max. 161736: Laser driver w/ regulator

Input voltage: 2.6-6VDC

Description

· Input current: 40mA

Part No.

182932

161736

· Lasting wavelength: 650nm typical

Lengin	at i meter distan	Ce. I./ III		
Part No.	Description	1	10	25
134148	60° lens	\$12 95	\$11.49	\$9.95

Laser Diode Module

One-year warranty

Price

\$44.95

182932

161736

25

\$12.15

6.25

10

6.95

650nm Line and Dot Laser Diodes

143845/173243:

- · Focus adjustable w/ locking set screw
- Wattage: 5mW
- · Operating voltage: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

143845: Line laser module

- · Laser line width: 1mm
- Laser fan angle: 60°

173243: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- · Female 2.1mm power connector 143837:

Module regulated power supply

- Output: 5VDC @ 100mA
- Short circuit protection
- · Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- · Weight: 0.6 lbs.

143853: Laser module mount

- · Built to hold laser diode on target
- X-Y tilt, θ movement
- · Tightening screw for tilt adjustment

Part No.	Description 1	10
143845	Line laser diode module ⊕ \$114.95	\$103.95
173243	Cross hair laser diode mod ⊕ 89.95	80.95
143837	Regulated power supply ⊕ 19.95	17.95
143853	Laser diode module mount ⊕ 49.95	39.95

We're committed to providing you with the best service in the industry.

Green Laser Pointer



- Output wavelength: 532nm
 Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	Price
223731	Green laser pointer⊕	\$152.25

⇔9JA Stylus Laser Pointer

A multi-function laser that serves as a stylus pen for PDAs. Buttons 🚄 for a flashlight or a laser pointer.

- 500 yard range for laser-pointer function
- · Super bright white LED for flashlight
- · Brass body, satin silver color
- Output power: 5mW max. Size: 5.63"L x 0.38"Dia.

Includes: 3 LR41 batteries

Part No.	Description	1	10
421702	Stylus laser pointer	\$24.95	\$22.46

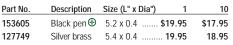
Laser Pointer Pens



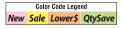


 Range up to 500 yards 670nm red laser

Includes: 2 AAA batteries



RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Lead Acid Batteries

- UL approved
- Rechargeable
- Two-year warranty

TYBONIC





264014



264031









264057 264073

Part	Product	Nominal			Cross Ref	erence			Size		Pric	ing
Number	Number	Voltage	Amp-Hrs.	Panasonic	YUASA	Eagle Picher	Tempest	Terminal Size	(L" x W" x H")	Wt. (lbs.)	1	10
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	\$8.45	\$7.45
317024	LA-TY-6-12	6	12.0	_	_	_	_	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	14.69	12.75
318844	LA-TY-12-1.2	12	1.2	_	_	_	_	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	16.09	14.59
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	15.39	14.59
318924	LA-TY-12-3.2 ☉	12	3.2	i –	_	_	_	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	16.19	14.69
264049	TY-12-4.5	12	4.5	LCR12V4PF	NP412	CF12V4	TR4-12	Quick connect 0.187"	3.5 x 2.8 x 4.0	3.8	18.15	16.73
264057	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	18.15	16.21
264065	TY-12-12	12	12.0	PS12120	_	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	30.65	28.25
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	32.85	28.15
318852	LA-TY-12-35	12	35.0	_	_	_	_	Quick connect 0.644"	7.6 x 5.1 x 6.3	27.6	53.25	47.91
A Riug Part N	lo = Limited Quantity	Available						•				

Blue Part No. = Limited Quantity Available

Automatic Battery Chargers

- Safely charge and maintain lead acid batteries without supervision
- High frequency MOSFET switching design Safe for gel cell batteries

- Analog amp meter

Short-circuit, overload,				67	3416
Output Volt. DC @ Current	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
13.5V @ 15A	8.5 x 8.4 x 3.3	4.8	\$141.55	\$134.49	\$127.75
13 5V @ 3∩∆	10 8 v 8 4 v 3 3	6.4	236 55	224 75	213 49

Part No.	Product No.	Output Volt. DC @ Current	Size (L"xW"xH")	Wt. (lbs.) 1	10	2
673416	SEC-1215A	13.5V @ 15A	8.5 x 8.4 x 3.3	4.8 \$141.55	\$134.49	\$127.7
673424	SEC-1230A	13.5V @ 30A	10.8 x 8.4 x 3.3	6.4 236.55	224.75	213.49
673432	SEC-2415A	27V @ 15A	10.8 x 8.4 x 3.3	6.4 236.55	224.75	213.49

Long-Lasting Rechargeable NiMH Batteries

Eveready® Energizer® Alkaline Batteries









10

\$1.81

Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

· Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

NiCd/NiMH Charger

· Recharge batteries singly or as a group

 Automatic charging current selection for different sizes of batteries

· Fast charging in the specified period with an automatic switch for trickle charge

· LED lamp to indicate proper charging

Universal battery charger for

AAA, AA, C, D and "9V" cells

(batteries not included).

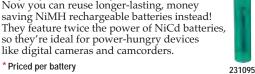
· Built-in IC timer control

215845	D		1.12	1.08
Priced p	er battery. Sol	d in multiples of 4.		
Part No.	Size	1	40	100
198707	AA	\$.64	\$.62	\$.61
198715	AAA	49	.44	.43

9-volt

so they're ideal for power-hungry devices like digital cameras and camcorders. * Priced per battery

Why buy & throw away hundreds of batteries?





(4/pack)



(2/pack)





Part No.

198731

96 Part No. Sold in Multiples of 8 24 Description 231095 AAA, 600mAh3 2 \$3.49 \$2.83 \$2.53 \$3.13 231087 AA. 1600mAh* 3.13 2.83 2.53 231116 C, 3000mAh* 5.62 5.06 4.56 231124 D, 9000mAh* 8.09 6.47 5.48 "9V", 150mAh 6.95 6.85 231108 7.65

(2/pack)

Silver Oxide, Zinc Chloride & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/ descramblers and remotes.



10

\$1.75 | \$1.49 | \$1.25



25



Fig. 2



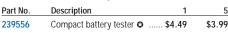
Fig. 3 (3/pack)



Part No. Description 231132 Universal charger ⊕ \$17.09 \$15.55 \$15.10

Compact Battery Tester

Simply lift the swivel arm of this battery tester and place your battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, D, 9V and button cell batteries. Blue Part No. = Limited Quantity Available



Zinc Chloride

Silver Oxide

Part Number

140783

NIMH Batteries

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
151095	GF6F22	2	9V	9	300	1.7"L x 1.0"W x 0.67"Dia.	\$1.25	\$.99	\$.79

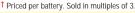
Button 1.55 1600 0.454 Dia.

Figure Size Volts mAh Dimensions

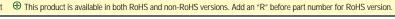
Alkaline

Blue Part No. = Limited Quantity Available

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	9	27
249181	LR031.5V ⊙ †	3	AAA	1.5	_	1.7"L x 0.40"Dia.	\$.45	\$.39	\$.33
150965	Rayovac 840	4	_	4.5	600	1.14"L x 0.73"W x 0.96"H	9.95	8.99	8.06
198791	MN1604	2	9V	9	500	1.7"L x 1.0"W x 0.67"H	2.85	2.55	2.29



Cross Ref. No.



Save 10% or more on most batteries!

Lithium, Lithium Ion, NiCd and NiMH Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



JAMECO ReliaPro

Fig. 24

EXCLUSIVE

Fig. 25

 AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm) SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm) D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)

Part No.	Fig.	Volt	Size	Туре	mAh	Connection	1	10	25
299090	1	3.6	AA	NiCd	700	Lead wire	\$8.39	\$7.69	\$7.05
298193	1	3.6	AA	NiCd	700	Solder tab	5.55	5.29	4.89
298345	1	3.6	AA	NiCd	1000	Solder tab	7.25	6.55	5.85
299241	1	3.6	AA	NiMH	1800	Lead wire	11.59	10.59	9.39
299399	1	3.6	SC	NiCd	2200	Lead wire	11.85	10.75	9.75
298791	1	3.6	D	NiCd	5000	Solder tab	24.85	22.59	20.53
298222	2	3.6	AA	NiCd	700	Solder tab	5.55	4.72	3.54
298679	2	3.6	SC	NiCd	2200	Solder tab	10.99	9.89	8.89
299428	2	3.6	SC	NiCd	2200	Lead wire	11.85	10.75	9.75

244822

244620

AA-1800-CT

9V-200

24

AA



1800

200

1.2

9





Consumer tip

Snaps



1.90"L x 0.55"Dia

1.94"L x 0.65"Dia



2.12

6.92

Special Sale Áll Battery

Packs 10% Off.

Limited Time

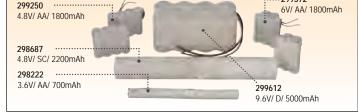
1.99

6.22

2.35

7.79

Rechargeable Battery Packs continued on next page.





Rechargeable Battery Packs (Continued)



mAh

1000

1000

1800

1800

2200

2200

2200

5000

1800

2200

2200

5000



\$14.39

15.25

19.09

19.09

20.79

27.75

28.59

80.59

22.09

21.99

57.85





Fig.

3

3

3

3

4

4

5

6

7 6.0 SC

6.0



AA

D

NiMH

NiCd

NiCd

1800

2200

5000





17.75

16.89

48.39

15.29

14.39

41.12



Part No.

298409

299153

299305

299330

298732

298716

299461

299612

299348

298741

299495

299647







Connection

Solder tab

Lead wire

Lead wire

Lead wire

Solder tab

Solder tab

Lead wire

Lead wire

Lead wire

Solder tab

Lead wire

Lead wire \$22.89 19.85



Fig. 3

Part No.

299102

299250

299401

298652

299436

298687

298572

298724

299621

298919

299372

298775

299680

Fig. 4 Fig. 5 Fig. 6 Volt Size Type mAh Connection 10 25 4.8 NiCd 1000 Lead wire \$10.45 \$9.49 \$8.59 48 AA NiMH 1800 Lead wire 14 39 13 75 13 09 4.8 SC NiCd 2200 Lead wire \$1 11.55 11.24 10.97 4.8 SC NiCd 2200 Solder tab 13.89 12.49 11.25 4.8 SC NiCd 2200 Lead wire 14.75 12.54 10.98 4.8 SC NiCd 2200 13.89 Solder tab 12.49 11.25 4.8 AA NiMH 1800 Solder tab 11.29 10.25 9.31 4.8 SC NiCd 2200 Solder tab 13.89 12.49 11.25 4.8 D NiCd 5000 Lead wire 40.89 34.76 26.07 D 4.8 NiCd 5000 Solder tab 34.45 31.35 28.46

Lead wire

Solder tab

Lead wire

Fig. 8

Fig. Volt Size

10 9.6

10 9.6 SC

10

11

11

11 9.6 SC

11 9.6

7.2 AA

7.2 AA

7.2 AA

7.2 AA

7.2 SC

96

9.6

9.6

SC

D

AA

SC

D

Fig. 9

Type

NiCd

NiCd

NiMH

NiMH

NiCd

NiCd

NiCd

NiCd

NiMH

NiCd

NiCd

NiCd

Fig. 10

Fig. 11

10

\$12.95

13.75

17.25

17.25

18.69

24.95

25.79

68 50

19.99

19.79

17.84

49.16

25

\$11.65

12.45

15.59

15.59

16.85

22.45

23.29

(51.37)

18.05

17.79

16.99

36.87

ReliaPro

Battery Holders

14.59

12.95

30.84

Quantity SAVE

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

D	0 0 0		1 1		0.1	F .	-	4-	40-	Foc
Part No.	Cross Ref. No.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071	BH-311-2A ⊕	1	1-AA	Wires	Single		\$.69	\$.62	\$.496	
216080	BH-321-2A ⊕	2	2-AA	Wires	Single		.69	.62	.56	.50
216098	BH-321-4A ⊕ ⊙	2	2-AA	Wires	Single	With mounting tabs	.59	.53	.42	.32
216101	SBH-321-2A⊕	3	2-AA	Wires	Single	With cover, no switch	.59	.477	.336	(.24)
216119	SBH-321-1AS ⊕	3	2-AA	Wires	Single	With cover and switch	.79	.71	.64	.54
216135	BH-331-A⊕	4	3-AA	Wires	Single		.89	.79	.72	.65
216143	SBH-331-AS ⊕	5	3-AA	Wires	Single	With cover and switch	.84	.76	.73	.66
216151	BH-341-2A ⊕	6	4-AA	Wires	Single		\$.99 _{.85}	.78	.62	.465
105858	* ?	7	4-AA	Wires	Single	Wires with connector	.89	.80	.72	.60
216178	BH-343-1A ↔	8	4-AA	Wires	Dual		.65	.55	.47	.35
216186	SBH-341-1AS ⊕	9	4-AA	Wires	Single	With cover and switch	1.09	.89	.85	.75
216223	BH-364-A ⊕	10	6-AA	Wires	Single		\$.95.85	.71	.65	.49
216231	BH-363-B⊕	11	6-AA	Snaps	Dual		.99	.75	.69	.65
216240	BH-383-A⊕	12	8-AA	Wires	Dual		1.09	.98	.78	.59
216258	BH-382-B ⊕	13	8-AA	Snaps	Dual		1.19	.99	.89	.85
216267	BH-383-B⊕	12	8-AA	Snaps	Dual		1.19	.99	.86	.64
216282	BH-421-1A ⊕	2	2-AAA	Wires	Single		.59	.53	.42	.315
216291	SBH-421-AS	3	2-AAA	Wires	Single	With cover and switch	.65	.59	.47	.35
216303	BH-431-1A ⊕	4	3-AAA	Wires	Single		.69	.62	.56	.49
216311	SBH-431-1AS ⊕ 🌣	5	3-AAA	Wires	Single	With cover and switch	.79	.69	.59	.49
216338	SBH-441-AS ⊕	9	4-AAA	Wires	Single	With cover and switch	1.25	1.12	.90	.81
216346	BH-211-A⊕	1	1-C	Wires	Single		.55	.50	.40	.30
216354	BH-221-A⊕	2	2-C	Wires	Single		1.19	1.07	.86	.65
216362	BH-242-1A ⊕	14	4-C	Wires	Single		1.39	1.25	1.00	.75
216371	BH-111-1A ↔	1	1-D	Wires	Single		.69	.62	.496	.372
216389	BH-121-1A ⊕	2	2-D	Wires	Single		.99	.89	.72	.54
216400	BH-142-A⊕	14	4-D	Wires	Single		1.19	1.07	.96	.72
216419	BH-143-1A ₹	6	4-D	Wires	Single		1.15	.89	.81	.74
216426	BH-9V-A⊕	15	1-9V	Wires	Single		.79	.69	.64	.59
38543	2S2325 ⊕	16	1-CR2354	PC Mount	Coin cell		1.15	1.02	.94	.69
			or 2-CR2325							
355434	17002-00603 ↔	17	1-CR2032	PC Mount	Coin cell		.63	.57	.456	.345
			Other N	lanufac	turers -	— Great Deals				
644009	1026	16	2-CR2016	PC Mount	Coin cell		\$.77	\$.69	\$.55	\$.42
236996	103	16	1-CR2032	PC Mount	Coin cell		.99	.89	.71	(.53)
643954	139	18	1-AA	Tabs	Single		.63	.56	.51	.41











Fig. 12 Fig. 10 Fig. 11



Fig. 17



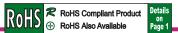


Fig. 18

Fig. 9

Fig. 16 * Battery holder used in many personal computers Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs.

> Please send your requests to NewProducts@Jameco.com. This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



"9-Volt" Battery Snaps and Clip

• Use with standard "9 volt" batteries

Description

- · Fully insulated; contacts are nickel-plated brass
- · Leads are color-coded, stripped and pre-tinned

Battery holder clip R

 Snap: male outer dia. = 0.225" Female inner dia. = 0.215"

3", 26 AWG, 6 prong battery snap 🗷

6", 26 AWG, 6 prong battery snap R

10", 26 AWG, 6 prong battery snap 🗷

6", 26 AWG, 6 prong battery snap R



* 10 piece minimum

\$.19 \$.16

.16 .14

1000

Pricing

.17 .15 .135

10 100











0.6" High 31/2- & 41/2-Digit LCD **Digital Panel Meters**

Panel Meters







- Input ranges: 200mV, 20V, 200V, 500V
- Input impedance: >100MΩ
- Accuracy: ±0.5%
 Size: 2.7"W x 1.7"H
- Automatic polarity indication
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095, pg 250)

146835: E	Backlit display	Includes: Bezel							
Part No.	Cross Ref. No.	Digits	1	10	25				
108388	PM-428 ⊕	3½ \$12.9	5	\$11.95	\$10.95				
175951	PM-128 ⊕	3½ 12.9	5	11.95	10.95				
146835	PM-188BL⊕	3½ 19.9	5	17.99	16.19				
123140	PM-328 ⊕	4½ 27.9	5	24.95	22.49				

Vellemen Analog Panel Meters

PowerFilm.

Fia.

2

Part No.

11280

105794

109154

101470

216452

Flexible Thin Film Solar Modules

Dimensions (in.)

W

.71

1.2

1.0 .50

.63

1.0 50

1.0 .50

1.0 .50

Wireless Electronics Series

The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. These modules are lightweight, paper thin, and durable. With their ultra-thin profile, they are easily integrated with devices for solar recharging or direct powering. Specifically developed to recharge AA, AAA, plus 6 and 12 volt batteries.



227993

\$.25 \$.22

> .28 .23

.29 .25 .21 .14

34 .30 .20 .18







		Operating	Operating	Size (L x	W x T)		Pricing	
Part No.	Product No.	Voltage (V)	Current (mA)	Inches	mm	1	10	100
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	\$3.89	\$3.49	\$3.19
227993	TX 3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	2.89	2.45	1.99
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.89	5.29	4.99
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	8.89	7.99	7.19
228030	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.89	5.29	4.79
228048	MPT4.8-75	4.8	50	3.7 x 3.0 x .01	97 x 75 x 0.2	11.89	10.69	9.59
228056	MPT4.8-150 ☉	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	22.89	20.59	18.49
228064	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	13.89	12.49	11.29
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	23.75	21.25	19.12
228099	MP7.2-150	7.2	200	10.0 x 5.9 x .02	253 x 150 x 0.6	39.89	37.99	34.99
228101	MPT15-75	15.4	50	10.0 x 3.0 x .02	253 x 75 x 0.6	26.85	22.82	17.12
228110	MPT15-150	15.4	100	10.0 x 5.9 x .02	253 x 150 x 0.6	44.89	42.99	39.99

Blue Part No. = Limited Quantity Available

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.



228161/228187





ш			L.	
			•	
228	179/22	2819	95	

		Operating	Operating	Size (L x	W x T)	Pricing			
Part No.	Product No.	Voltage (V)	Current (mA)	Inches	mm	1	10	100	
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	\$39.89	\$36.99	\$33.99	
228179	P7.2-150	7.2	200	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	54.99	49.99	
228187	PT15-75	15.4	50	10.3 x 3.9 x .04	270 x 100 x 1.1	39.89	36.99	33.99	
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	51.40	38.55	
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.89	94.99	89.99	

Mini-Panel Solar Cells

Ready to Use! No Soldering

Encapsulated mini-panels utilize solar cells similar to those that power our satellites in space, yet they are safe and simple to use. Mini-panels allow for handling without the normal breakage and cell damage associated with fragile solar cells. 6" red/black lead wires attached. Modules may be connected to create different outputs.





vii co ac	tuciica. moduici	may be connecte	a to
Size: 3	.8"L x 2.5"W	 Connection: 	lead
Oort No	Cross Dof No	VDC @ mA	c

Part No.	Cross Ref. No.	VDC @ mA	Size (L x W)	1	10
200221	SOL4	2.0 @ 200	3.0" x 3.7" \$8	3.99	\$7.99
215319	4-3.0-100	3.0 @ 100	3.8" x 2.5" 14	1.29	12.89
215327	4-6.0-50	6.0 @ 50	3.8" x 2.5"	5.79	14.39

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product





· Includes mounting hardware

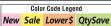


316523

Part No.	Product No.	Range	Size	1_	- 4
316603	AVM6015⊕	0 - 15VDC	A \$9	9.29	\$7.85
316671	AVM7015 ⊕	0 - 15VDC	В 8	3.79	7.49
316638	AVM6030 ⊕	0 - 30VDC	Α 8	3.79	7.49
316654	AVM7030 ⊕	0 - 30VDC	В 8	3.79	7.49
316718	AVM60150⊕	0 - 150VAC	Α 8	3.79	7.49
316785	AVM60300 ⊕	0 - 300VAC	Α 8	3.79	7.49
315301	AIM60005 ⊕	0 – 50μΑ	Α 9	9.29	7.85
316523	AIM6050 ⊕	0 – 50mA	Α 8	3.79	7.49
316486	AIM60100 ⊕	0 – 100mA	Α 8	3.99	7.65
316558	AIM60500 ⊕	0 – 500mA	Α 8	3.99	7.65
316566	AIM60500 ⊕	0 – 5A	Α 8	3.79	7.49
316582	AIM705000 ⊕	0 – 5A	В 8	3.79	7.49
316494	AIM6010A ⊕	0 – 10A	Α 8	3.79	7.49
316507	AIM6030A ⊕	0 - 30A	Α 8	3.79	7.49

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.



174166

157323

174182



Serial LCD Displays

Lower \$\$\$

• For detailed specification sheets, please visit www.Jameco.com. · One year warranty



Matrix Orbital VK202-25 281359

Matrix Orbital LCD2041 150957



Matrix Orbital LK204-25

Matrix Orbital GLK12232-25-SM 281391

Matrix Orbital GLK12232-25-WBL 281404

Matrix Orbital GLC24064



Matrix Orbital GLK24064-25

281412



Jameco's Got the Docs We offer free technical documents for

most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

		Characters x					Module Size	Display Size		Pricing	
Part No.	Product No.	Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	(W"xH"xD")	(W"xH")	1	10	25
174166	LK162-12 ⊕	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	\$49.59	\$48.99	\$48.49
693791	LK162-12-E 🗷	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,7,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693708	LK162-12-GW 2	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,12,13	3.2 x 1.4 x 1.1	2.5 x 0.7	\$63.99 59.59	48.99	48.59
693812	LK162-12-GW-E ₹ ♣ ÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,12,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	\$63.99 59.59	59.39	59.19
693863	LK162-12-GW-V ₹ ♣÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,12,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	51.39	50.37	49.37
693783	LK162-12-IY 🕿	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,14	3.2 x 1.4 x 1.1	2.5 x 0.7	49.59	48.99	48.49
693839	LK162-12-IY-E ₹ ♣ ÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,14,15	3.2 x 1.4 x 1.1	2.5 x 0.7	\$63.99 ^{47.57} 59.59	59.39	59.19
693960	LK162-12-IY-V ₹ ♣ ÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,14,16	3.2 x 1.4 x 1.1	2.5 x 0.7	51.39	50.37	49.37
1536878	LK162-12-R 🗷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13	3.2 x 1.4 x 1.1	2.5 x 0.7	49.59	48.99	48.49
693821	LK162-12-R-E ₹ ♣ ÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,15,17	3.2 x 1.4 x 1.1	2.5 x 0.7	63.99	62.99	62.25
693880	LK162-12-R-V ₹ ♣ ÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,16,17	3.2 x 1.4 x 1.1	2.5 x 0.7	51.39	50.37	49.37
693855	LK162-12-V ₹ ♣÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	51.39	50.37	49.37
281332	LK162-12-WB ₹	16 x 2	1200 - 19.200	5.0V @ 9mA	Υ	1,7,13,19	3.2 x 1.4 x 1.1	2.5 x 0.7	49.59	48.99	48.49
693847	LK162-12-WB-E ₹ ♣ ÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,15,19	3.2 x 1.4 x 1.1	2.5 x 0.7	\$63.99 _{59.59}	59.39	59.19
693871	LK162-12-WB-V ₹ ♣÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,16,19	3.2 x 1.4 x 1.1	2.5 x 0.7	51.39	50.37	49.37
694292	PK162-12 🗷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13	3.2 x 1.4 x 1.1	2.5 x 0.7	58.15	55.99	54.84
694305	PK162-12-E ₹ ♣÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	68.45	68.25	68.19
694313	PK162-12-V ₹ ♣÷	16 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,16	3.2 x 1.4 x 1.1	2.5 x 0.7	61.99	59.99	58.69
694321	PK202-25 ₹	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13	3.1 x 1.4 x 1.1	2.5 x 0.7	\$72.9969.09	65.09	64.09
694330	PK202-25-E ₹ ♣÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,15	3.1 x 1.4 x 1.1	2.5 x 0.7	\$85.99 77.95	76.99	75.99
694348	PK202-25-V ₹ ♣÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,13,16	3.1 x 1.4 x 1.1	2.5 x 0.7	71.59	69.99	67.99
174174	LK202-25 🕿	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10	4.6 x 1.5 x 1.1	3.1 x 0.7	\$64.99 _{58.99}	56.99	53.49
694129	LK202-25-E ₹ ♣ ÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,15	4.6 x 1.5 x 1.1	3.1 x 0.7	\$64.99 58.99	66.49	65.17
693986	LK202-25-IY 🕿	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,14	4.6 x 1.5 x 1.1	3.1 x 0.7	\$64.99 58.99	56.99	53.49
694145	LK202-25-IY-E ₹ ♣ ÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,14,15	4.6 x 1.5 x 1.1	3.1 x 0.7	78.29	76.99	75.69
694090	LK202-25-IY-V ₹ ♣ ÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,14,16	4.6 x 1.5 x 1.1	3.1 x 0.7	\$68.35 61.19	59.37	57.58
693978	LK202-25-GW ₹	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,12	4.6 x 1.5 x 1.1	3.1 x 0.7	\$6 ^{4.99} 58.99	56.99	53.49
694137	LK202-25-GW-E ₹ ♣ ÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,12,15	4.6 x 1.5 x 1.1	3.1 x 0.7	\$78.29 68.55	66.49	65.17
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- *1. For a power supply, Jameco recommends P/N 164101, pg 240
- 2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)
- 3. Manual and software included

LK202-25-GW-V **₹** ♣÷

LK202-25-R-E ₹ 4:

LK202-25-R ₹

- 4. Connect 16 modules using the same two wire interface
 5. EEPROM stores text font, settings, and text screen
 6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature

20 x 2

20 x 2

- Connect 127 modules on the same 2-wire interface
- 8. 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
- 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to

3.1 x 0.7

3.1 x 0.7

\$64.9958.99

\$78.29 68.55

- a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs 11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal
- 12. Grey text/white background

1,7,10,17

1,7,10,15,17

- Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs
- 14. Inverse yellow
- 15. Extended temperature
- 16. Wide voltage range +9 to +155VDC
- 17 Inverse red
- 18. Wide voltage range with efficient switching power supply (+9 to +35VDC)

4.6 x 1.5 x 1.1

4.6 x 1.5 x 1.1

4.6 x 1.5 x 1.1

- 19. White text/blue background
- 20. Color of illumination: white/ice blue
- ♣ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

5.0V @ 9mA

5.0V @ 9mA

5.0V @ 9mA

1200 - 19,200

1200 - 19,200

1200 - 19,200

. This product is a special order, non-cancelable, non-returnable and may take 2-4 weeks to ship

RoHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



56.99

53.49

65.77

694014

693994

694153



Serial LCD Displays (Continued)

Lower \$\$\$

 For detailed specification sheets, please visit <u>www.Jameco.com</u>. · One year warranty

		Characters x					Module Size	Display Size		Pricing	
Part No.	Product No.	Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	(W"xH"xD")	(W"xH")	\$68.35	10	25
694102	LK202-25-R-V ₹ ♣÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,16,17	4.6 x 1.5 x 1.1			\$59.37	\$57.58
694006	LK202-25-V 🕿 🏰	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,16	4.6 x 1.5 x 1.1	3.1 x 0.7	\$68.35 61.19 \$64.99 58.99	59.37	57.58
281341	LK202-25-WB 🕿	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10	4.6 x 1.5 x 1.1	3.2 x 0.7	\$64.99 58.99	56.99	53.49
694161	LK202-25-WB-E ₹ ♣ ÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,15	4.6 x 1.5 x 1.1	3.1 x 0.7	\$78.29 68.55	66.49	65.77
694111	LK202-25-WB-V ₹ ♣÷	20 x 2	1200 - 19,200	5.0V @ 9mA	Υ	1,7,10,16	4.6 x 1.5 x 1.1	3.1 x 0.7	\$68.3 ⁵ 61.19	59.37	57.58
281359	VK202-25 ⊕	20 x 2 w/ keypad interface	1200 - 19,200	5.0V @ 130mA	Υ	1,7,10	4.6 x 1.5 x 0.9	2.8 x 0.5	88.99	87.97	84.47
150957	LCD2041 ⊕	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	\$77.99 \$68.99	55.99	55.50
157323	LK204-25 ⊕	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	68.99	66.99	65.59
694217	LK204-25-E ₹ • •	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,15	3.9 x 2.4 x 1.2	3.0 x 1.0	\$91.29 79.59	78.39	76.99
694225	LK204-25-GW-E ₹ ♣ ÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Υ	1,7,10,12,15	3.9 x 2.4 x 1.2	3.0 x 1.0	\$91.29 79.59	78.39	76.99
694250	LK204-25-GW-V ₹ ♠÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Υ	1,7,10,12,16	3.9 x 2.4 x 1.2	3.0 x 1.0	\$80.69 71.99	70.29	68.99
694170	LK204-25-IY 🕿	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Υ	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	\$78.79 68.99	66.99	65.59
694233	LK204-25-IY-E ₹ ♣ ÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14,15	3.9 x 2.4 x 1.2	3.0 x 1.0	\$91.29 79.59	78.39	76.99
694276	LK204-25-IY-V ₹ ♣÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,14,16	3.9 x 2.4 x 1.2	3.0 x 1.0	\$80.69 71.99	70.29	68.99
694241	LK204-25-R-E ₹ ♣÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,15,17	3.9 x 2.4 x 1.2	3.0 x 1.0	\$91.29 79.59 \$80.69 71.99	78.39	76.99
694268	LK204-25-R-V ₹ ♣÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Υ	1,7,10,16,17	3.9 x 2.4 x 1.2			70.29	68.99
694284	LK204-25-V ₹ ♣÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Υ	1,7,10,16	3.9 x 2.4 x 1.2	3.0 x 1.0	\$80.69 71.99 \$78.79 68.99	70.29	68.99
694188	LK204-25-WB 🗷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Υ	1,7,10,19	3.9 x 2.4 x 1.2	3.0 x 1.0	\$78.73 68.99	66.99	65.59
694196	LK204-25-WB-E ₹ ♣ ÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16,19	3.9 x 2.4 x 1.2	3.0 x 1.0	\$91.29 79.59	78.39	76.99
694209	LK204-25-WB-V ₹ ♣ ÷	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,7,10,16,19	3.9 x 2.4 x 1.2	3.0 x 1.0	\$80.69 71.99	70.29	68.99
281391	GLK12232-25-SM ↔	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	68.99	67.99	65.49
694356	GLK12232-25-SM-WB ₹	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 22mA	Υ	1,8,20	3.4 x 1.4 x 0.5	2.4 x 0.7	68.99	67.99	66.09
281404	GLK12232-25-WBL ⊕	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	74.99	73.99	71.19
694364	GLK12232-25-WBL-WB ₹	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 18mA	Y	1,8,20	3.9 x 2.4 x 0.4	2.7 x 0.8	77.99	75.99	73.39
174182	GLC24064 ⊕	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	165.99 176.99	161.69	157.49
281412	GLK24064-25 ↔			5.0V @ 20mA	Y	1,9	7.1 x 2.6 x 1.1	5.0 x 1.3	192.99 176.99 183.99 168.99	175.99	174.79
694372	GLK24064-25-GW 2	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Υ	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	183.93	160.99	153.99
694381	GLK24064-25-WB 2	240 x 64 pixels w/ graphics	9600 - 115,000	5.0V @ 35mA	Υ	1,9,19	7.1 x 2.6 x 0.7	5.0 x 1.3	268.99	160.99	153.99

- ♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.
- + This product is a special order, non-cancelable, non-returnable and may take 2-4 weeks to ship.

Scott Edwards Electronics, Inc.

Serial LCD Displays













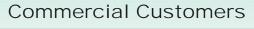


							Module Size	Display Size		Pricing	
Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	(W"xH"xD")	(W"xH")	1	10	25
Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Υ	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	\$48.95	\$44.09	\$39.99
Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V - 5.5V @ 3mA	N	1,2,11	3.1 x 1.4 x 0.7	2.8 x 1.0	59.95	53.99	48.99
Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	9V bat. or 5.0V @ 45mA	Υ	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	119.95	107.99	103.00
Scott Edwards	BPP-440L	40 x 4	1200 - 9600	5.0V @ 10mA	Υ	1,2,11	7.5 x 2.2 x 0.9	6.7 x 1.7	149.95	143.55	136.37
	Scott Edwards Scott Edwards Scott Edwards	Scott Edwards ILM-216L Scott Edwards BPI-216N	Scott Edwards ILM-216L 16 x 2	Scott Edwards ILM-216L 16 x 2 1200 - 9600 Scott Edwards BPI-216N 16 x 2 2400 or 9600 Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600	Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA	Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Y Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA N Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA Y	Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Y 1,2,5 Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA N 1,2,11 Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA Y 1,2,5	Manufacturer Product No. Characters x Lines Serial Input (bps) Input Voltage Backlight Notes* (W"xH"xD") Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Y 1,2,5 3.2 x 2.0 x 0.5 Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA N 1,2,11 3.1 x 1.4 x 0.7 Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA Y 1,2,5 3.1 x 1.9 x 0.8	Manufacturer Product No. Characters x Lines Serial Input (bps) Input Voltage Backlight Notes* (W"xH"xD") (W"xH"xD") Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Y 1,2,5 3.2 x 2.0 x 0.5 2.8 x 1.0 Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA N 1,2,11 3.1 x 1.4 x 0.7 2.8 x 1.0 Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA Y 1,2,5 3.1 x 1.9 x 0.8 2.6 x 1.1	Manufacturer Product No. Characters x Lines Serial Input (bps) Input Voltage Backlight Notes* (W"xH"xD") (N"xH") 1 Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Y 1,2,5 3.2 x 2.0 x 0.5 2.8 x 1.0 \$48.95 Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA N 1,2,11 3.1 x 1.4 x 0.7 2.8 x 1.0 59.95 Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA Y 1,2,5 3.1 x 1.9 x 0.8 2.6 x 1.1 119.95	Manufacturer Product No. Characters x Lines Serial Input (bps) Input Voltage Backlight Notes* (W"xH"xD") (W"xH"b") 1 10 Scott Edwards ILM-216L 16 x 2 1200 - 9600 4.8V-5.5V @ 5mA Y 1,2,5 3.2 x 2.0 x 0.5 2.8 x 1.0 \$48.95 \$44.09 Scott Edwards BPI-216N 16 x 2 2400 or 9600 4.8V - 5.5V @ 3mA N 1,2,11 3.1 x 1.4 x 0.7 2.8 x 1.0 59.95 53.99 Scott Edwards SGX-120L 20 x 4 w/ graphics 2400 or 9600 9V bat. or 5.0V @ 45mA Y 1,2,5 3.1 x 1.9 x 0.8 2.6 x 1.1 119.95 107.99

- *1. For a power supply, Jameco recommends P/N 164101, pg 240
- 2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)
- 3. Manual and software included
- 4. Connect 16 modules using the same two wire interface 5. EEPROM stores text font, settings, and text screen
- 6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature
- Connect 127 modules on the same 2-wire interface
 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
- 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

- 10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs
- 11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal 12. Grey text/white background
- 13. Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs
- 14. Inverse yellow
- 15. Extended temperature
- 16. Wide voltage range +9 to +155VDC
- 17. Inverse red
- 18. Wide voltage range with efficient switching power supply (+9 to +35VDC)
- 19. White text/blue background 20. Color of illumination: white/ice blue
- VL0.5" High 4-Digit Field Effect LCD Display
- · Compatible with socket P/N 78642 (2), pg 148
- 8.8:8.8 · Pin spacing: 0.1" centers
- 40-pin package (no connector required)
- · Digital multimeters, thermometers, pressure gauges, timers, frequency counters, and clocks (12 or 24 hour format)

Part No.	Product No.	Size (W x H x D)	1	10	25
17110	402-DP-RC-S ⊕	2.0" x 1.2" x 0.1"	\$14.95	\$13.49	\$12.15



Open an account with us to consolidate your monthly billing and to save time.



RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

Parallel LCD Displays









- · For detailed specification sheets, please visit www.Jameco.com
- 90-day Jameco warranty

Quantity SAVE





EPSON EA-D16015AR

• 16 x 1 characters



Ampire AC-162A

• 16 x 2 characters • 2.5" x 0.7" display



Hantronix HDM716216H-4-H0AF 16 x 2 characters 3.3" x 0.9" display



Hantronix HDM716216H-B-P00P 16 x 2 characters 2.4" x 0.6" display

Hantronix HDM716216L-7-8C0

• 16 x 2 characters • 3.9" x 0.9" display



PicVue PVC160206QYL04

• 16 x 2 characters • 2.4" x 0.6" display



Optrex DM16433

• 16 x 4 characters • 2.4" x 1.0" display







• 20 x 1 characters • 6.5" x 1.3" display



658890



Ampire AC-202A

365982

• 20 x 2 characters • 3.3" x 0.7" display



Hantronix HDM20416H-300

• 20 x 4 characters



Optrex 20-20191-2



Solomon LM1200SGR

24 x 2 characters
 3.7" x 0.7" display



658902

658988

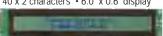
Solomon LM1030SGR

• 40 x 2 characters • 6.0" x 0.6" display



Ocular OM4021-WGS-01

• 40 x 2 characters • 6.0" x 0.6" display



215159

658873

Seiko Instruments DMC4024

• 40 x 4 characters • 5.5" x 0.9" display



320039

658953

CDS

Hantronix HDM64GS12L-4-N31S

• 128 x 64 characters



PicVue PVG240602A

240 x 64 pixels
 5.2" x 1.5" display



277350

277325

Over 99% of Our Catalog Products Are In Stock

40 x 2 characters
 5.8" x 0.5" display

Place your order by 6PM EST for same business-day shipment.

									Module Size	Display Size		Pricing	
Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes*	(W"xH"xD")	(W"xH")	1	10	25
644025	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	N	_	3.2 x 1.4 x 0.3	2.5 x 0.5	\$9.95	\$8.49	\$7.95
171716	Ampire ₹	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Υ	3, 5	3.4 x 1.2 x 0.5	2.5 x 0.7	13.99	13.35	12.65
658881	Hantronix	HDM716216H-4-H0AF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	4.8 x 1.7 x 0.4	3.9 x 0.9	11.95	10.49	7.87
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	3.3 x 1.7 x 0.4	2.4 x 0.6	11.95	10.49	8.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	N	_	3.2 x 1.4 x 0.3	2.5 x 0.5	11.39	9.25	8.33
658988	Hantronix	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Υ	5	4.8 x 1.7 x 0.6	3.9 x 0.9	16.95	14.95	11.95
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	_	3.3 x 1.2 x 0.5	2.4 x 0.63	12.69	10.79	9.45
210761	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1, 5	3.4 x 2.4 x 0.3	2.4 x 1.0	22.95	19.95	18.69
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	2	7.2 x 1.6 x 0.4	6.5 x 1.3	17.99	15.29	11.45
658902	Hantronix	HDM20216H-3-001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	4.6 x 1.5 x 0.4	3.3 x 0.7	18.95	15.95	14.49
658970	Hantronix	HDM20216L-1-G30F	20 x 2	5 x 7	8-bit	5.0V @ 2.4mA	Υ	5	4.6 x 1.5 x 0.6	3.4 x 0.7	18.95	16.95	14.49
171724	Ampire ₹	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Υ	3, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
658873	Hantronix	HDM20416H-300	20 x 4	5 x 7	8-bit	5.0V @ 2.2mA	N	5	3.9 x 2.7 x 0.4	3.7 x 0.6	24.95	22.49	18.95
658911	Hantronix	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Υ	5	4.6 x 1.4 x 0.6	2.4 x 0.6	19.95	17.95	15.49
320101	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	4.6 x 1.4 x 0.4	3.7 x 0.7	15.59	13.25	9.94
320039	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	7.2 x 1.2 x 0.3	6.0 x 0.6	22.15	18.83	14.12
277325	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	5	7.2 x 1.3 x 0.6	6.0 x 0.6	22.45	19.13	14.34
215159	Optrex	20-20191-2	40 x 2	5 x 8	8-bit	5.5V @ 5mA	Y	4	7.2 x 1.4 x 0.4	5.8 x 0.5	22.45	19.08	14.31
658831	Hantronix	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	7.2 x 1.3 x 0.4	6.1 x 0.6	24.95	22.49	18.95
658929	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	N	5	7.2 x 1.3 x 0.4	6.1 x 0.6	24.95	22.49	18.95
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Y	5	7.2 x 1.3 x 0.6	6.1 x 0.6	32.95	29.49	24.95
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	N	_	7.5 x 2.1 x 0.4	5.5 x 0.9	39.95	34.95	28.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Y	6	3.0 x 2.1 x 0.4	2.4 x 1.3	27.95	24.95	21.49
277350	PicVue	PVG240602A	240 x 64 pixels	240 x 64	8-bit	5.0V @ 6.0mA	N	6	7.1 x 2.6 x 0.4	5.2 x 1.5	55.75	51.09	38.32

^{*1.} Control LSI HD44780 or equivalent and column driver MSM5259 or equivalent; 2. Built-in controller HD44780; 3. Controller KS0066U or equivalent; 4. Column driver: KS0063B;

256

^{5.} For a power supply Jameco recommends P/N 164101, pg 240; 6. Dot Graphic LCD display

Legacy Intel® Desktop Processors

		Speed		
Part No.	Description	(MHz)	Package 1	10
311204	Intel Celeron® processor♣	800	FCPGA-370\$59.85	\$53.85
183118	Intel Pentium® III processor	600	Slot 1 99.95	96.43
151651	Intel Pentium® II processor	300	Slot 1 89.95	85.45
190060	Intel Pentium® II w/ heat sink	233	Slot 1 89.95	67.46
150501	Intel Pentium MMX® processor	♣ 233	376/PGA 69.95	62.95
118421	Intel 486DX2 processor♣	66	168/PGA 19.95	16.96

Pull = Extra Savings

Legacy 3.5" Hard Disk Drives*

Part No.	Capacity	Description	Warranty	1	10
151036	3.2GB ♣	EIDE/Ultra DMA33	1 year	\$39.95	\$34.95
151044	4.3GB ♣	EIDE/Ultra DMA33	1 year	49.95	45.95
146333	2.5GB ♣	EIDE/FAST ATA-2	1 year	33.29	29.95
124978	1.27GB ♣	IDE	1 year	29.95	26.95
118949	850MB ♣	IDE	1 year	49.95	37.46
115764	425MB ♣	IDE	3 mos	45.95	43.65

^{*} Manufacturers may vary & capacity may exceed specification ♣ Pull = Extra Savings

1.44MB 3.5" Internal Floppy Disk Drives

- · IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher



Part No.	Product No.	Mfr.	Color	1	10
115490	FD235	TEAC	Beige	\$19.95	\$17.95
189165		Varies	Beige	10.95	9.50
249367	MPF920-Z	Sony	Beige	16.95	12.71
453704	FD235HF ♣	TEAC	Black	58.95	55.81
661108	D359M3D	Mitsumi	Black	20.95	18.95

Quantity SAVE CPU Heat Sinks and Fans**

Part No.	Description	Size (H" x W" x D")	1	10
206244	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	\$12.95	\$9.71
319951	Heat sink w/ fan for PIII slot 1	2.00 x 4.90 x 8.50	9.85	7.39
181278	Heat sink w/ fan for socket 7 (ATX)	2.12 x 2.05 x 1.67	8.49	6.37
661087	Heat sink w/ fan for socket 370	1.55 x 2.36 x 2.44	13.55	12.19
190545	Heat sink w/ fan for socket 370	2.45 x 2.42 x 2.10	13.55	12.19
645482	Heat sink w/ fan for socket 370	2.04 x 2.04 x 1.06	10.95	9.49
319185	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	7.65	5.74
129226	Heat sink for 486 CPU – adhesive back	1.70 x 1.63 x 0.36	2.95	2.65
174115	Heat sink w/ fan for 486 CPU w/ snap [‡]	1.93 x 1.96 x 0.93	3.95	3.56
684748	Heat sink w/ fan for socket 7 (AT/ATX)	1.00 x 2.60 x 2.30	8.99	8.59
308742	Heat sink w/ fan for 586 CPU w/ snap [‡]	0.73 x 2.05 x 1.94	10.25	9.25

^{**} See website for photos ‡ 14" lead wires

Mounting Kits

Designed to mount most 3.5" media devices into standard 5.25" half height bays.



Part No.	Cross Ref. No.	Description	1	10	25
180857	HDB35⊕	3.5" hard drive mount kit (short)	3.35	\$2.95	\$2.21
32088	SMK	3.5" to 5.25" mount kit (beige faceplate)	5.89	5.29	4.79

Thermoelectric Cooler Chips

- Cools down to -30°C (dependent on external temp.)
- Heat or cool by changing direction of current
 20 AWG wire leads, 4" long
- Temperature = 60°C max.
- Current: 4A max. (172056: 8a max.)

	`		,			
Part No.	Cross Ref. No.	Volts	Watts	Couples*	Size (LxWxT) 1	10
172031	TEC30 ₹	8.4VDC max.	19.7	71	1.2" x 1.2" x 0.2" \$19.9 5	\$17.95
172056	TEC50 ⊕	15.4VDC max.	79.1	127	2.0" x 2.0" x 0.2" 33.75	29.35

^{*}Couples: # of P&N type semiconductor pairs connected electrically in series

172056

Memory Modules MICRON

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
699528	MT8LSDT3264HG-133D2♠	256MB	133MHz	32M x 64	144	\$119.99	\$109.99
699536	MT8LSDT3264HG-13ED2♠	256MB	133MHz	32M x 64	144	125.49	119.57

Legacy Memory Modules

Quantity SAVE

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins 1	10
148419	16MBX64SDRAM	128MB	10ns Syn. DRAM DIMM	16M x 64	168 \$65.95	\$59.95
148451	JEED07264	64MB	60ns SIMM EDO	16M x 32	72 30.95	28.95
148460	8MBX36-60⊕	32MB	60ns SIMM	8M x 36	72 40.95	30.71
148443	JEED07232	32MB	60ns SIMM EDO	8M x 32	72 43.95	32.96
130729	JEED07208	8MB	60ns SIMM EDO	2M x 32	72 3.95	3.58
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30 4.95	3.71

IntelliMover Kit

The IntelliMover kit lets you quickly and easily move email, music, photos, files, folders, settings and more from your old PC to a new PC. You can select file types, and settings that you want to move, so you do not end up cluttering your new PC with unwanted files.

- Transfers data and settings from one product version to another (e.g. Microsoft® Word 97 to Word XP)
- Transfers data and settings across operating systems
- Integrates intelligently on your new PC there's no over writing of drivers or data files
- "Drag and Drop" individual files and folders between two PC's with the IntelliMover's file transfer utility and either data transfer cable

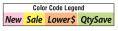
Part No.	Description	1	10
689910	IntelliMover kit with CD	\$24.95	\$22.45

Index of Electronics-Industry Books



	Part No.	Description Page
	215061	Easy Microcontrol'n, Beginner's Guide
	137162	Electric Motors and Control Techniques
ers	1581222	LAB-X1 Tutorial & Resource Book
Microcontrollers	215052	Microcontrol'n Apps, PIC Microcontroller Applications 5
ino	200168	PIC BASIC Programming and Projects
Sro	174650	PIC Microcontroller Project Book, Beginner's Guide
M	183046	Programming and Customizing the PIC
	210497	Serial Communications PIC Applications
	210489	Time'n and Count'n, Intermediate Level PIC Apps5
ter	236945	Complete Embedded Ethernet and Internet
Computer	154771	Serial Port Complete
Con	171900	USB Complete
	174481	Electronic Pocket Reference
	677994	Electronics Manufacturing
٠.	667391	Fabricating Printed Circuit Boards
Reference	126199	How to Test Everything Electronic
ere	677986	Implementing Lead-free Electronics
Ref	677951	Modern Solder Technology for Competitive Electronics Manufacturing 298
	355231	Pocket PC Reference Book
	88225	TTL Logic Data Book, Texas Instruments
	136080	Troubleshooting & Repairing Consumer Electronics

RoHS Compliant Product RoHS Also Available



Removable IDE HDD Enclosures For 3.5" Drive Bay

· For quick drive swapping

Power LEDs

· Keylock for security

196040:

· Size: 5.8"W x 8.5"D x 1.5"H

· Weight: 1.2 lbs.

319775:

Size: 5.8"W x 8.9"D x 1.6"H

· Weight: 1.32 lbs.

Quantity SAVE

196040

196031: • Size: 4.1"W x 7.5"D x 1.6"H · Weight: 0.8 lbs.

Includes: Inner cable with IDE connector

Part No.	Description 1	10	25
196040	IDE encl. w/ insert ⊕ \$25.15	\$18.85	\$14.65
319775	IDE encl. w/ insert ⊕ 15.55	14.79	11.09
196031	Insert for 196040 ⊕ 19.95	16.96	12.72

External IDE HDD Enclosure with Parallel Interface

An external HDD enclosure for IDE hard drives with a parallel port interface to be connected to a PC or laptop. No drivers needed. Windows® 98 and above will automatically detect hard disk drive.

· Parallel port interface

 Built-in fan and 110V power supply Includes: Parallel cable and power cord

Part No	Description	1	5
249316	HDD external enclosure	\$17.95	\$16.16

3.5" Screwless USB **Hard Drive Enclosure**

- · Screwless design
- USB 2.0 compliant
- IDE interface supports ATA, PIO, DMA, and UDMA hard drives
- Rugged aluminum body
- Plug and play, hot-swapping capability · Power-on and read/write access LED indicators
- Size: 8.4"L x 4.7"W x 1.4"H

Includes: USB 2.0 cable, 12VDC @ 1.6A power supply and CD-ROM drivers

☼ Blue Part No. = Limited Quantity Available

Part No.	Mfr. Part No.	1	5
344735	SD-U2PLA-35⊕ o	\$31.45	\$29.89

USB Complete

Lakeview (3rd Edition) Provides an easy-to-use interface for computer peripherals. The book covers topics such as what USB can do, transfer types, chip choices, what's inside a USB controller, writing firmware, how the host communicates and more. (572 pages, 2005)



• Size: 7.0" x 9.0" · Weight: 1.9 lbs

vv oigiit.	1.7 103.	
Part No.	Description	Price
171900	USB Complete Book	\$49.95

Front Panel Access Port

Enjoy easy up front access to all your most used ports, including USB, IEEE 1394, audio, and serial ports, without moving the PC.

• 2 USB; 1 IEEE 1394; Line-In;



Tower not included

Part No.	Description	1	10
208004	Front panel port ⊕ .	\$34.95	\$32.45

PS/2 Cable

· For use with switchbox P/N 149391, pg 263



Digital Video Interface Cable

- DVI cable for flat panel LCD monitors and highend video graphics cards
- · Connector: DVI-D single link type

Quantity SAVE • Length: 6'

Longin.	0		
Part No.	Description 1	10	100
320346	DVI cable \$11.49	\$9.95	\$7.46

CD-ROM Audio Cables



	Connection from		Quan	uty JA	
Part No.	Sound Blaster to	Length	1	10	50
127546	Sony/MPC2 ⊕	18"	\$2.95	\$2.51	\$1.88
168612	Universal ⊕	18"	4.95	4.46	3.35

CD Accessories







Blue Part No. = Limited Quantity Available

Part No.	Description 1	5	10
172179	Single jewel case ❖ \$.20	\$.15	\$.14
208514	Paper envelope 25 pk 2.49	2.25	1.99

PCMCIA Smart Card Terminal

- · High quality PCMCIA smart card terminal for laptops
- CT-API support; OCF compatible
- Supports maximal smart card speed
- · Card power supply: 60mA max.
- Speed: up to 423kbps Clock speed: up to 8MHz
- Supports Windows® XP/2000/98/ME/NT4.0

Part No.	Product No. 1	10	10
577344	SR-4044\$101.79	\$96.70	\$71.3

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Our enhanced website offers over 65,000 new products. Find products guickly and order them easily!

USB Thumb Drives

Thumb drives are compact and fit easily in your pocket or hang around your neck. Portable and lightweight, no external power needed. No drivers necessary for Windows® ME and above.



• 10 year data retention • Size: 2.9"L x 0.7"W x 0.4"H · Windows® 98/98SE drivers are available at www.Jameco.com

Blue Part No. = Limited Quantity Available

Part No.	Description 1	10
217787	128MB \$25.39	\$22.85
687682	128MB (PNY) 17.95	16.49
687738	128MB 15.95	13.95
217795	512MB • 56.45	50.82

Mobile USB Fan/Light

Take advantage of a great deal on this innovative personal USB-powered fan and light for laptop computing! You'll enjoy the added comfort of features like a flexible gooseneck mount. Fan runs on a quiet motor with soft



nylon blades. Mobile USB light allows you to illuminate your keyboard during.

Part No.	Description	Price
256461	Mobile USB fan⊕	\$8.99
256436	Mobile USB light ⊕	10.55

Digital USB Voice Recorder

Pocket "secretary" captures all your great ideas.

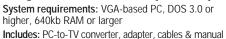
Record up to 396 addressable messages totaling 9 hours (SP) or 18 hours (LP). They can be meetings, phone conversations, or audio from external devices, all in flawless digital clarity. USB connectivity quickly downloads your recordings to your PC. Includes: Earphone, external

(meeting) microphone, telephone adapter, audio cable, PC software, USB cable, and hand strap.

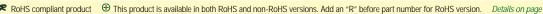
Part No.	Description	Price
237198	USB voice recorder, 9-18 hrs.	\$108.95

AverKey Pro PC-to-TV **Converter Box**

- · Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- · Built-in flicker filter
- · Resolution: 800 x 600 TV brightness control
- · Compatible w/ Microsoft® Windows® 3.0 and higher
- · Weight: 2.2 lbs.

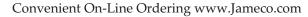


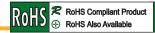
Part No. Description 10 1 167193 Video signal pro \$89.95 \$81.65





Two-year warranty





Flat Panel Speaker System



- Magnetically shielded
- · Built-in amplifier
- Designed for multimedia use
 Low distortion
- · Ultra thin satellite speaker and 3" subwoofer cone type speaker
- Frequency response: 80Hz–16kHz
- Power output: speakers 1W + 1W (RMS) subwoofer - 5W (RMS)
- · Front access LED, power, and volume controls
- Size: satellite 5.0 W x 7.5 H x 2.5 D subwoofer - 5.75"W x 5.5"H x 6.6"D

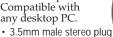
Includes: Power adapter

Part No.	Description	1	10
382740	Flat panel speaker	\$18.89	\$17.49

PC Speakers

Quantity SAVE

Perfect for desktop PCs with limited amount of space. Compatible with any desktop PC.



• Size: 4.7"H x 3.0"W x 4.0"D

Part No.	Cross Ref. No.	1	5	10
311079	5065-5746	\$13.59	\$11.55	\$8.66

Hands-Free Condenser Microphone

Quantity SAVE

- · Clip on microphone · Cord length: 8'
- · Connector: 3.5mm
- male stereo plug
 Size: 1.7"L x 1.3"W x 0.9"H

rt No. Descript			\ 1
9759 Microph	none \$3.89	\$3.31	\$2.4

Hands-Free Condenser Microphone

- · Cord length: 8'
- Connector: 3.5mm male stereo plug
 Size: 1.9"L x 1.2"W x 0.3"H
- · One-year warranty

Part No.	Description	1	10	50
135247	Microphone ⊕	\$4.49	\$3.99	\$3.65

E-Mail Desktop Microphone

Add your voice to e-mail messages, with the touch of a button!

This revolutionary desktop device will change the way you use e-mail! Simply press a button and speak into the omnidirectional condenser mic, and the technology does the rest. Included soft-



Monitors & Video Controllers

10" B&W Security Monitor w/ Audio

- · 9" viewable screen
- · Resolution: 700 line · Push down front panel for
- volume and power switch
- · BNC jacks for audio/ video input
- Input voltage: 120VAC @
- 60Hz (2-prong 5' cable) • Size: 9.3"W x 12.0"D x 9.1"H



Includes: Manual Part No. Description 10 10" B/W monitor⊕ \$109.05 253067 \$89.95



XBOB-NC Video **Text Module**

XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format. The command set is nearly identical to that of our popular BOB-3 module (see right), and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

- · Higher display density; 40x17 characters (680 max.)
- · Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Stand-alone operation, for simple source ID or fixed reticle applications
- · Improved automatic video mode control

Part No.	Description 1	10
283768	XBOB video text module \$189.95	\$179.99
237243	9VDC power supply 2.35	2.15
283776	Serial cable 9.95	8.95

5.6" Color TFT Monitor

- TFT color LCD display
- · 224 x 640 pixel display resolution

NTSC Format

- Built-in 1 watt speaker
- · Brightness, color and volume adjustments
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
 Size: 6.1"W x 1.2"D x 4.8"H
 Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply Part No. Description

201702 5.6" TFT color monitor⊕ ... **\$279.95** \$259.95



BOB-3 Video Text Module



BOB-3 is Decade's third-generation low-cost video text overlay module. BOB-3 lets your microcontroller or PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable characters, BOB-3 supports pseudo-graphics and multiple languages. BOB-3 generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control BOB-3 through a fast RS-232 style data link, much like a simple serial printer. BOB-3 is compatible with most microcontroller chips and modules, including the BASIC Stamp.

- Higher display density; 40x17 characters (680 max.)
- 254 ROM character patterns plus 63 user-definable RAM characters
- Character size control
- · Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- · Faster & more reliable host communication
- Software-controlled digital outputs (6)
- Improved automatic video mode control

Part No.	Description	1	10
283733	BOB-3 video text module	\$99.95	\$94.95

4" TFT LCD Monitor

NTSC Format

- TFT color LCD
- · Resolution 234 x 383dpi
- · Backlight: cold cathode fluorescent lamp
- Power source:
- 12VDC @ 400mA 5" long lead wire with
- 4-position Molex-type power connector
- · Tint color and brightness adjustable
- Size: 4.1"L x 3.3"W x 0.7"H (display)
- Size: 4.7"L x 3.3"W x 1.3"H (unit)
 Weight: 0.7 lbs.

Part No. Description 172742 4" color LCD monitor \$159.95 \$149.95



BOB-4 Video Text Module



BOB-4 is Decade's fourth-generation low-cost video information overlay module.

- · Simple hookup (DC, serial data, video I/O)
- Prints plain ASCII text in default configuration
- · High display density; up to 480x240 (NTSC) or 480x288 (PAL)
- Arbitrary font sizes and proportional font support
- Vector graphics drawing commands
 Industry-standard ANSI control protocol (ECMA-048)
- Text crawl (single-line smooth horizontal scroll)
- · Async, Synchronous, and SPI host communication options
- Automatic video mode control (local/genlock)
- Customer-configurable video standards (NTSC/PAL)
- Stand-alone operation for simple source ID, target reticle, etc.
- Software-controlled digital outputs (5)
- Consumes only 1/2W at +5VDC
- Extended production lifetime; no OSD chips!
- · Firmware can be upgraded in the field

Part No. Description 1537475 BOB-4 video text module **₹** \$99.95



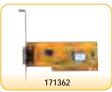




































IICD Interfere Card

USB In	iterface C	ard				Quantity SAVE SALE		
Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
687658	_	IOC-3500	PCI	4 ext / 1 int	USB	32-bit, PCI, VT6202/6212 USB 2.0 Host controller chip, REV 1.1 compliant	\$14.95	\$14.19

Network Interface Cards

285510	_	905B ♣	PCI	1	RJ-45	IEEE 802.3 and 802.3u, N-way 10/100 auto negotiation.	\$11.99	\$8.99
285528	_	GD82559 ♣	PCI	1	RJ-45	IEEE 802.2 and 802.3 compliant, 6kB cache on board, 10/100 auto negotiation, supports Windows* 95/98/2000/NT3.51/NT4.0.	13.19	9.89
308769	3-COM	3C509B-TPO ♣	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	17.49	15.95
355039	GetOn	C130	PCMCIA		Wi-Fi	32-bit cardbus interface, IEEE 802.11b compliant, wireless data-rate (1Mbps to 11Mbps), supports Windows® 98/2000/ME/XP.	17.59	13.19

[♣] Pull = Extra Savings

Serial Interface Cards

171362	_	4025A ₹	PCI	1	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, single 16C550.	\$38.95	\$35.95
171555	_	99378⊕	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/1/15 and address jumper configurable, dual 16C550 DB9 male.	24.95	21.85
172006	_	99467 2	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171547	_	99468 🕀	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171660	_	99469 🕀	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	179.95	134.95
344903	SYBA	SD-PCI-1S⊕	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15

Parallel Interface Card

171927	4008A %	DCI	1	DB25	32-byte FIFO. 2MB/sec transfer rate, supports FCP and FPP, supports IRO sharing, DB25 female.	\$39.95	¢25.05
1/172/	4000A	FCI		DBZ3	32-byte FIFO, ZMB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 lemale.	\$37.73	\$35.95

Super I/O Controller Cards

-								
131318	_	KW-557A ↔	ISA	_	Mult.	Supports 2 IDE and 2 floppy drives, single parallel port, dual RS-232 (16550 UART).	\$29.95	\$26.95
291901	_	MCT-IDEFH-2	ISA	_	Mult.	16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kb to	24.55	22.10
						1.44Mb, jumper selectable for enabling and disabling ports.		
149294	_	CI-2020 O	ISA	_	50-pin F	DOS, Windows® NT/95, OS2 Netware, SCO UNIX, internal and external SCSI connectors.	32.25	28.99
191513	Adaptec	AHA-2940U2B ❖	PCI	_	68-pin F	AIC-7890AB chipset, Windows® 95/NT, Netware, OS/2 compatible, internal/external	87.95	79.14
					Ultra SCSI2	ULTRA II SCSI 68-pin connectors.		

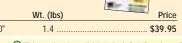
Video Graphics Cards

248840	_	PS32985DR- 8MB	PCI	_	HDDB15	Savage IX 8MB graphics accelerator, built-in direct draw accelerator and NTSC/PAL video encoder 4-bit resolution.	\$23.85	\$21.44
364111	ATI	109-54100-00	PCI	_	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows* 98 and NT4.0 compatible.	29.99	28.49

Serial Port Complete

Lakeview Research Provides you with everything you need to design, program, install and troubleshoot the links you set up. (306 pages, 1998)

Part No.	Description	Size	Wt. (lbs)
154771	Serial Port Complete	7.0" x 10.0"	1.4



Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!



Details on page 1.























JAMECO ValuePro USB Keyboard Adapter

USB-A female to 6-pin mini DIN male (PS/2)

Part No.	1	10
316832 🗷	\$1.79	\$1.59



Product No.								
11044011401	Interface	Description Quantity SAVE SALE	Fig.	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse	1	12.6 x 6.2 x 1.0	5.0	\$41.85	\$39.75	\$37.75
MCK-84SX	5-pin DIN	84-key tactile keyboard, Windows® 95 compatible	2	12.8 x 6.6 x 1.0	2.4	44.95	40.45	35.05
WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible	3	11.4 x 8.5 x 1.2	2.3	59.95	53.95	48.95
Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	4	15.9 x 6.5 x 1.3	2.1	39.95	35.95	32.49
Gemini-M1	PS/2	104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included	5	17.6 x 7.5 x 1.6	2.2	22.95	20.65	16.55
SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys	6	18.2 x 7.0 x 1.5	2.7	12.95	11.01	8.26
967360-0403	PS/2	104-key RF keyboard and 3-button optical scroll mouse, multimedia hot-keys	7	18.0 x 8.7 x 1.6	4.5	32.95	29.95	26.95
KM-2501	PS/2	104-key soft touch w/ multimedia & 12 function keys	_	17.5 x 6.0 x 1.2	1.8	16.25	13.00	9.75
RT3604	USB	104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear	8	18.6 x 7.8 x 3.8	3.8	14.65	13.90	13.15
epts iCIA	PS/2	107-key soft-touch keyboard w/ programmable function keys for internet/ utility/office, and multimedia. Software included	_	17.5 x 5.7 x 0.8	1.8	12.35	11.15	10.60
Q KB-9965	PS/2	107-key soft-touch keyboard w/ 12 function keys	_	18.5 x 6.5 x 1.4	1.3	12.95	11.65	8.74
RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/built-in speakers	_	18.5 x 10.0 x 3.2	2.5	19.95	17.95	15.95
Scorpius-22RB ⊕	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function.	9	6.2 x 4.2 x 1.3	0.8	39.95	35.95	32.49
		Includes manual and drivers.						
KB22APB⊕o	PS/2	22-key PS/2 tactile keypad. Includes PS/2 to AT adapter.	9	6.3 x 4.3 x 1.5	0.8	33.69	31.99	30.39
25551	USB	18-key USB tactile keypad.	10	4.3 x 3.0 x 0.5	0.2	29.95	27.95	24.95
A	MCK-84SX WK-540 Scorpius-2KB Gemini-M1 SUN 3201256-1 967360-0403 KM-2501 RT3604 ICCEPTS ICIA AQ KB-9965 RT915CTW Scorpius-22RB⊕ KB22APB⊕ KB22APB⊕ KB22APB⊕	MCK-84SX 5-pin DIN WK-540 5-pin DIN Scorpius-2KB PS/2 Gemini-M1 PS/2 SUN 3201256-1 PS/2 967360-0403 PS/2 KM-2501 PS/2 RT3604 USB ICIA PS/2 AQ KB-9965 PS/2 RT915CTW PS/2 Scorpius-22RB⊕ Serial KB22APB⊕♥ PS/2	MCK-84SX 5-pin DIN 84-key tactile keyboard, Windows* 95 compatible WK-540 5-pin DIN 88/89-key soft touch keyboard w/ touchpad, Windows* compatible Scorpius-2KB PS/2 103-key soft touch keyboard w/ touchpad, Windows* compatible 103-key soft touch keyboard w/ touchpad, Windows* ocmpatible 103-key soft touch keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included SUN 3201256-1 PS/2 104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys 104-key RF keyboard and 3-button optical scroll mouse, multimedia hot-keys 104-key soft touch w/ multimedia & 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear 107-key soft-touch VSB keyboard w/ 12 function keys for internet/ 107-key soft-touch keyboard w/ 12 function keys for internet/ 107-key soft-touch keyboard w/ 12 function keys 104-key soft touch keyboard w/ 12 function keys 104-key soft-touch	MCK-84SX 5-pin DIN 84-key tactile keyboard, Windows* 95 compatible 2 WK-540 5-pin DIN 88/89-key soft touch keyboard w/ touchpad, Windows* compatible 3 Scorpius-2KB PS/2 103-key soft touch keyboard, Windows* 98SE/2000/ME/XP compatible (black) 4 Gemini-M1 PS/2 104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included SUN 3201256-1 PS/2 104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys 6 h 967360-0403 PS/2 104-key RF keyboard and 3-button optical scroll mouse, multimedia hot-keys 7 KM-2501 PS/2 104-key soft touch w/ multimedia & 12 function keys, separate cursor and numeric keyp soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear Licepts iCIA PS/2 107-key soft-touch keyboard w/ 12 function keys for internet/ utility/office, and multimedia. Software included AQ KB-9965 PS/2 107-key soft-touch keyboard w/ 12 function keys w/built-in speakers — Scorpius-22RB⊕ Serial 22-key serial tactile keypad w/ 2-key rollover and auto repeat function. Includes manual and drivers.	MCK-84SX 5-pin DIN 84-key tactile keyboard, Windows* 95 compatible 2 12.8 x 6.6 x 1.0 WK-540 5-pin DIN 88/89-key soft touch keyboard w/ touchpad, Windows* compatible 3 11.4 x 8.5 x 1.2 Scorpius-2KB PS/2 103-key soft touch keyboard, Windows* 98SE/2000/ME/XP compatible (black) 4 15.9 x 6.5 x 1.3 Gemini-M1 PS/2 104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included 5 17.6 x 7.5 x 1.6 y 67360-0403 PS/2 104-key soft touch w/multimedia & 12 function keys, separate arrow & numeric keys 7 18.0 x 8.7 x 1.6 KM-2501 PS/2 104-key soft touch W/multimedia & 12 function keys — 17.5 x 6.0 x 1.2 RT3604 USB 104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear 101-key soft-touch keyboard w/ 12 function keys for internet/ utility/office, and multimedia. Software included 7 17.5 x 5.7 x 0.8 USB-9965 PS/2 107-key soft-touch keyboard w/ 12 function keys w/built-in speakers — 18.5 x 6.5 x 1.4 RT915CTW PS/2 22-key serial tactile keypad. Includes PS/2 to AT adapter. 9 6.3 x 4.3 x 1.5	MCK-84SX 5-pin DIN 84-key tactile keyboard, Windows* 95 compatible 2 12.8 x 6.6 x 1.0 2.4 WK-540 5-pin DIN 88/89-key soft touch keyboard w/ touchpad, Windows* compatible 3 11.4 x 8.5 x 1.2 2.3 Scorpius-2KB PS/2 103-key soft touch keyboard, Windows* 98SE/2000/ME/XP compatible (black) 4 15.9 x 6.5 x 1.3 2.1 Gemini-M1 PS/2 104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included 5 17.6 x 7.5 x 1.6 2.2 SUN 3201256-1 PS/2 104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys 6 18.2 x 7.0 x 1.5 2.7 h 967360-0403 PS/2 104-key RF keyboard and 3-button optical scroll mouse, multimedia hot-keys 7 18.0 x 8.7 x 1.6 4.5 KM-2501 PS/2 104-key soft touch w/ multimedia & 12 function keys — 17.5 x 6.0 x 1.2 1.8 RR3604 USB 104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear 8 18.6 x 7.8 x 3.8 3.8 scepts iCIA PS/2 107-key soft-touch keyboard w/ roprogrammable function keys for internet/ utility/office, and multimedia. Software	MCK-84SX 5-pin DIN 84-key tactile keyboard, Windows* 95 compatible 2 12.8 x 6.6 x 1.0 2.4 44.95 WK-540 5-pin DIN 88/89-key soft touch keyboard w/ touchpad, Windows* compatible 3 11.4 x 8.5 x 1.2 2.3 59.95 Scorpius-2KB PS/2 103-key soft touch keyboard, Windows* 98SE/2000/ME/XP compatible (black) 4 15.9 x 6.5 x 1.3 2.1 39.95 Gemini-M1 PS/2 104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included 5 17.6 x 7.5 x 1.6 2.2 22.95 NM 3201256-1 PS/2 104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys 6 18.2 x 7.0 x 1.5 2.7 12.95 NM 2501 PS/2 104-key soft touch w/ multimedia & 12 function keys 7 18.0 x 8.7 x 1.6 4.5 32.95 NM-2501 PS/2 104-key soft touch w/ multimedia & 12 function keys 9 17.5 x 6.0 x 1.2 1.8 16.25 NM 2501 PS/2 104-key soft touch USB keyboard w/ 12 function keys, separate cursor 8 18.6 x 7.8 x 3.8 3.8 14.65 NM 2501 PS/2 104-key soft touch USB keyboard w/ 12 function keys, separate cursor 8 18.6 x 7.8 x 3.8 3.8 14.65 NM 2501 PS/2 107-key soft-touch keyboard w/ 12 function keys, separate cursor 8 18.6 x 7.8 x 3.8 3.8 14.65 NM 2501 PS/2 107-key soft-touch keyboard w/ 12 function keys for internet/ 9 17.5 x 5.7 x 0.8 1.8 12.35 NM 2501 PS/2 107-key soft-touch keyboard w/ 12 function keys 9 18.5 x 10.0 x 3.2 2.5 19.95 NM 2501 PS/2 104-key tactile keyboard w/ 12 function keys w/built-in speakers 9 18.5 x 10.0 x 3.2 2.5 19.95 NM 2501 PS/2 104-key tactile keyboard w/ 2-key rollover and auto repeat function. 9 6.2 x 4.2 x 1.3 0.8 39.95 NM 2502 PS/2 tactile keypad. Includes PS/2 to AT adapter. 9 6.3 x 4.3 x 1.5 0.8 33.69	MCK-84SX 5-pin DIN 84-key tactile keyboard, Windows* 95 compatible 2 12.8 x 6.6 x 1.0 2.4 44.95 40.45 WK-540 5-pin DIN 88/89-key soft touch keyboard w/ touchpad, Windows* compatible 3 11.4 x 8.5 x 1.2 2.3 59.95 53.95 Scorpius-2KB PS/2 103-key soft touch keyboard, Windows* 98SE/2000/ME/XP compatible (black) 4 15.9 x 6.5 x 1.3 2.1 39.95 35.95 Gemini-M1 PS/2 104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included SUN 3201256-1 PS/2 104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys 6 18.2 x 7.0 x 1.5 2.7 12.95 11.01 967360-0403 PS/2 104-key soft touch w/multimedia & 12 function keys, separate cursor 8 18.6 x 7.8 x 3.8 3.8 14.65 13.00 RT3604 USB 104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear 101-keys for internet/ butility/office, and multimedia. Software included AQ KB-9965 PS/2 107-key soft-touch keyboard w/ 12 function keys w/built-in speakers — 18.5 x 6.5 x 1.4 1.3 12.95 11.65 RT915CTW PS/2 104-key tactile keyboard w/ 12 function keys w/built-in speakers — 18.5 x 10.0 x 3.2 2.5 19.95 17.95 Scorpius-22RB⊕ PS/2 22-key serial tactile keypad. Includes PS/2 to AT adapter. 9 6.3 x 4.3 x 1.5 0.8 33.69 31.99

Blue Part No. = Limited Quantity Available

















Part No.	Manufacturer	Product No.	Туре	Interface	Description	Fig.	Size (L" x W" x H")	1	10	25
395612	IONE	LYNX-L7R	Optical	USB-PS/2	Mini optical mouse w/ retractable cable and USB-PS/2 adapter	1	3.9 x 2.3 x 1.5	\$29.95	\$26.95	\$24.25
354976	-	C1-8B-2061-BB	Optical	USB-PS/2	3-button with optical wheel with USB to PS/2 adapter	2	4.2 x 2.1 x 1.6	11.29	9.60	7.20
685943	_	OW7751	Mech. Ball	USB	3-button with scroll; black	_	4.8 x 2.5 x 1.5	14.95	13.49	11.95
687746	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter; black	_	4.6 x 2.6 x 1.5	18.95	16.95	15.25
486012	Microsoft	N64-0001 ♠	Optical	USB	2-button with scroll; silver	3	_	18.35	17.65	16.55
265471	_	_	Optical	USB	Mini optical mouse	4	3.7 x 2.2 x 1.3	15.25	14.45	13.75
265447	Memorex	32022378	Optical	PS/2	Wireless, 5-button optical ScrollPro w/ PS/2 to USB adapter	5	4.9 x 3.0 x 1.6	26.95	25.60	24.55
288972	Roltek	K3P400A	Mech. Ball	PS/2	3-button PS/2	6	4.2 x 2.5 x 1.3	4.95	4.49	4.05
305082	IONE	Libra-90 ⊕	Trackball	PS/2	PS/2 trackball with USB adapter	7	5.6 x 4.7 x 1.9	29.95	26.95	24.25
283223	_	_	Mech. ball	DB9 female	3-button serial	8	4.3 x 2.6 x 1.6	6.15	5.23	3.92
121363	_	_	_	_	Mini mouse pad	_	7.0L x 5.5W	3.25	2.70	2.00
656907	_	FDM-G11	Trackball	PS/2	3-button off-table trackmouse; gray	9	3.0 x 2.0 x 2.0	16.95	15.95	13.49
657011	_	FDM-G11-USB	Trackball	USB	3-button off-table trackmouse; black	9	3.0 x 2.0 x 2.0	17.95	16.95	14.49

Clip-on Mouse Pad

Organize and maximize your workstation.

Tired of trying to work without enough space? Free up your desk space with this convenient clip-on mouse platform. No drilling required—clamps on securely to your desk or workstation without damaging the desk. This unit also stores completely below your desk, so you don't have to see it when it's not in use.

Includes a cord clip to keep mouse cords tanglefree and in position. • Blue P/N = Limited Quantity Available

Part No.	Description	Price
249105	Clip-on mouse pad ⊙	\$6.99



Pocket PC Reference Book

Sequoia Publishing Pocket PCRef 13th edition includes troubleshooting tools, wiring diagrams, connectors and pin outs, commands for Windows® XP and UNIX, CDROM drive configuration data, hard drive specifications, PC hardware, ASCII numbers, CPU processor specifications and more. (1088 pages, 2004)

• Size: 4.0" x 6.0" • Weight: 0.87 lbs.

◆ Blue Part No. = Limited Quantity Available

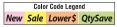
 Part No.
 Description

 355231
 Pocket PC Reference ♀

See complete listing of books on page 257.

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product 🕀 This product is available in both ROHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1



Price

\$15.15

Quantity SAVE



150 to 400-Watt PC Power Supplies







421657

196189

1537424

172823

ATX Power Supplies

Part		Product	Power	•	Input	Input Connector		Size	Wt.		Pricing	
Number	Mfr.	Number	(W)	(VDC/A)	(VAC @ Hz)	(Mating Connector/Cord)	Certification	(L" x W" x H")	(lbs)	1	10	25
422001	Seasonic	SS-600HT Active PFC	600	+3.3/30, +5/30, +12/18, +12/18, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	\$145.05	\$133.40	\$126.20
422094	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	125.05	115.00	108.80
421999	Seasonic	SS-460HS Active PFC	460	+3.3/30, +5/30, +12/16, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	4.3	95.05	87.40	82.70
308814	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	52.20	49.59
673379	Seasonic	SS-401HT Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	76.05	68.40	62.50
652607	Seasonic	SS-400HT-80 Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.5	99.05	91.10	86.10
673352	Seasonic	SS-350HS Active PFC	350	+3.3/22, +5/21, +12/10, +12/15, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	57.05	51.30	47.19
673361	Seasonic	SS-301HT Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	46.05	41.40	38.35
652594	Seasonic	SS-300SFD-80 Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	3.9 x 4.9 x 3.0	2.5	66.05	60.70	57.00
427928	Seasonic	SS-300SFD Active PFC	300	+3.3/20,+5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	51.05	46.90	44.40
673344	Seasonic			+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	42.05	37.80	35.49
1537310	Sparkle Power	FSP-300-60ATV*♣	300	+3.3/28, +5/30, +12/15, +5VSB/2, -5/0.3, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 248)	UL/CSA/TUV	6.0 x 5.6 x 3.5	4.0	26.95	23.95	19.95
422123	Seasonic	SS-250SFD Active PFC	250	+3.3/18, +5/21, +12/16, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	3.9 x 4.9 x 3.0	2.7	42.05	38.60	36.50
1536915	Potrans	PP-253XA	250	-5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 248)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.5	39.95	35.95	32.35
319994	3Y Power Technology	AP-1250-1112	250	+3.3/20; +5/25; +12/12 +5VSB/3; -5/5; -12/0.5	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 248)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	33.25	31.65	23.75
421657	Powertronic	PKI800T3*	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/.5, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 248)	UL/CSA/TUV	6.0 x 5.6 x 3.3	3.3	15.95	12.76	9.57
196189	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 248)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	34.95	29.71	22.28

AT Power Supplies

692414	Autec	PCB-5300-2000	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60	3-prong AC receptacle	UL/CSA/TUV	6.0 x 5.6 x 3.4	3.0	\$29.95	\$26.95	\$23.95
					switchable	(P/N 38050)						
692393	Autec	PCB-5300-4043 [†]	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050)	UL/CSA/TUV	6.0 x 5.6 x 3.5	3.6	29.95	26.95	23.95
1537424	Sparkle Power	SPI-250G*	250	+5/26, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.1	34.95	29.95	24.95
172823	Mean Well	AA-230*⊕	200	+5/20, +12/8, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	CSA/TUV/CE	6.0 x 4.6 x 3.4	2.6	49.95	44.96	40.46
* See photo	above	† With switch	♣ Pu	III = Extra Savings								

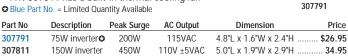
150-Watt DC-to-AC Inverter

- Input voltage: 10-15VDC
- Output voltage: 110VAC @ 60Hz
- Peak power surge capableOverload & thermal protection
- · Battery low shutdown
- Dimensions: 4.8"L x 2.9"W x 1.8"H

• weight:	1.3 IDS.			
Part No.	Description	1	10	25
277181	150W auto plug ⊕	\$28.95	\$27.49	\$26.15

75 and 150 Watt DC-to-AC Inverters

- Optimum efficiency: 90% AC output frequency: 60Hz
- DC input voltage range: 10 15VDC
- Auto reset short-circuit protection
- Overload protection/low battery alarm/ low battery shutdown
- · P/N 307811 has a built-in thermal cooling fan





isobar[®]







- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4 & 6-outlet protectors: 6' cord; 8 and 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed · Lifetime warranty



Isobar Premium 19" Rack Mount Surge Protector

ISOBAR 8U 2350 8 outlet, 4 isolated filters

Part No.	Product No.	Joules	Description	Wt. (lbs.)	1	10			
139686	IBAR12RM	1280	12 outlet, 2 isolated filters	4.7 \$1	19.95	\$107.99			
Isobar Premium Surge Protectors									
18981	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4 \$	49.95	\$44.95			
74544	ISOBAR 6 €	2350	6 outlet, 3 isolated filters	2.7	54.95	53.25			
Isobar Ultra Premium Surge Protector									

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Surge Protectors



3.5 \$69.95 \$63.74





TRIPP·LITE

Standard Surge Protectors

Economical and effective spike and noise suppression with diagnostic LEDs.

168954: • \$20,000 Ultimate Lifetime Insurance Up to 27,000 amp spikes
Weight: 1.2 lbs. 124337: • \$75,000 Ultimate Lifetime Insurance

• Up to 42	2,000 amp sp	ikes • Weight:	1.6 lbs.	
Part No.	Product No.	Joules	1	10
168954	Striker 7	750	. \$8.85	\$8.41
124337	Super 7	2350	. 17.95	16.35





20175

216485

6-Outlet Surge Protectors

20175:

· Metal power strip

- · 3-prong, 4' power cord
- · Max. spike current: 4500A, 50 joules
- Size: 12.3"L x 2.4"W x 1.3"H Wt.: 1.5 lbs.

- Heavy-duty power cord (14AWG x 3)
- Max. spike current: 4500A Clamping voltage: 400V

• KESEI/	OFF Switch with built-in 15A circuit breake	er • Wt.: 0.9 lbs
Don't No	Deceluat Na	1

Part No.	Product No. 1	10	100
20175	51W1-13206	\$8.85	\$7.85
216485	51W1-10206 6.95	6.25	5.59

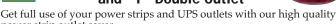
Power Angel Monitor

- · Help to forecast and manage your electric bill
- Monitor AC power quality to protect sensitive instruments
- Choose the correct Uninterruptible Power Supply (UPS) based on the real VA of your equipment
- Use it anywhere with any 120VAC appliance
- Max. voltage: 125V, 50/60 Hz

Part No.	Description	1	10	25
422158	Power Angel	\$35.05	\$32.20	\$30.50



Power-Strip-Saver Single Outlet and "Y" Double Outlet



power strip outlet saver. You can use all the outlets on your surge suppressors, UPS, and outlet strips. Just plug a bulky power adapter into this cable and

free up your other outlets. · Length: 1 ft. · Cord type: SVT



4 Outlets Blocked Every Outlet is Usable For extra adapters

Part No.	Description 1	10	50
199778	AC power cord (black) ₹\$1.69	\$1.55	\$1.39
208338	AC power cord (beige) ⊕	1.45	1.09
208347	"Y" power-strip-saver 2	4.25	4.09

More Computer Switchboxes at www.Jameco.com/Prod/ComputerSwitchboxes

Computer Switchboxes

























KVM Switchboxes

SALE **Quantity SAVE**

6.0 x 4.8 x 2.5

Part No.	Mfr.	Fig.	Mfr. Part No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
114155	_	1		2-way keyboard / mouse switchbox (2PCs to 1 user)	HDDB15 female / 5-pin DIN female	6.0 x 4.0 x 2.3	1.3	\$10.79	\$9.83
310826	_	2	KVM2717	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Requires 9.5VDC@500mA power supply; recommend P/N 100175 pg 241	4.7 x 4.0 x 1.8	1.5	49.19	40.57
310842	_	3	2-PRT KVN-USB	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	User connectors: PS/2 female for keyboard & mouse; HDDB15 female for monitor to PC connectors: two HDDB15 male for monitor, two USB-A male; two 3.5mm jack	2.9 x 2.7 x 1.1	1.5	82.29	78.15
310834	_	4	KS104	4-way KVM switchbox (4 PC's to one user)	PS/2 female for keyboard & mouse, HDDB15 female for monitor; recommend P/N 202180 pg 241 for power supply	7.4 x 2.9 x 1.3	7.1	112.49	84.36
149391	ATEN	5	CS-114A	4-way KVM switchbox (4 PC's to one user)	DB9 serial female / PS/2 keyboard & mouse; recommend P/N 204062 pg 258 for PS/2 cable. Includes manual and power supply	10.0 x 7.0 x 3.0	7.1	179.85	162.59
132249	_	6	40H1-25602	2-user switchbox (1PC to 2 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). P/N 66174 (DB15HD M-M cable); P/N 132345 (DB9 F-F cable) pg 107	7.5 x 5.3 x 2.8	1.6	17.95	15.90
79177	_	7	40H1-07402	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	19.95	17.95
134017	_	8	40H1-25604	4-user switchbox (1PC to 4 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). P/N 66174 (DB15HD M-M cable); P/N 132345 (DB9 F-F cable) pg 107	7.5 x 5.3 x 2.8	2.3	21.95	19.95

Serial-to-PC Switchboxes

Fax	Fax/Modem/Telephone-to-PC Switchbox									
1834	117	_	10	_	4-serial port switchbox	DB9 female (4-ports to 1PC)	6.1 x 4.0 x 2.2	1.3	19.95	17.95
7912	26	—	9	40D1-10602	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	\$9.95	\$8.95

40R1-01602

2-PC RJ-11 switchbox

Parallel Printer-to-PC Switchbox									
20095	_	12	40D3-17602	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	\$8.95	\$7.95

RJ-11 6P6C (fax/modem/telephone to 2PCs)

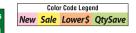
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



\$8.95

\$9.95

RoHS Compliant Product RoHS Also Available



USB Fast Ethernet Adapter

- · Plug and Play
- IEEE802.3 (10 BaseT) and IEEE802.3 (100 BaseT) specification compatible
- USB Rev 1.0 and 1.1 compatible
- Supports OHCI and UHCI
- Self-powered
- 1 upstream USB port and RJ-45 port
- Supports Windows® 98/ME/2000/XP

Part No.	Description	1	5	10
310797	USB-Ethernet Adapter	\$21.69	\$19.55	\$17.55

USB Modem Adapter

This UC-232 USB serial modem adapter provides an external plug and play RS232 modem connection for PCs, notebooks, laptops, and



handheld computing devices that support the USB specification.

- · Data transfer rate: determined by modem
- · Power consumption: 90mA
- · Power mode: bus powered
- Size: 3.2"L x 2.2"W x 0.9"H

Includes: DB-25 male connector and USB type A cable Part No. 355696 USB modem adapter \$15.45 \$13.95

UTP Ethernet Cable Tester

- Connector type: RJ45 8P8CSystem used: 258A, 356A,
- AT&T/Ethernet 10BaseT
- · Miswire, open, short tests

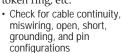
Requires: 9V battery (recommend P/N 151095, pg 250)

Includes: Zipper case

Part No.	Size (L x W x H)	1	10
115895	4.5" x 2.5" x 1.3"	\$29.95	\$26.95

Modular Cable Tester

Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A TIA568A/568B token ring, etc.





- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description 1	10
145710	Modular cable tester \$84.95	\$76.49

Tone Generator & Amplifier Probe

For Tracing Wires & Cables

 Tests wire trace. continuity, clear/ busy/ringing line tip/ring identification



Selectable continuous or variable tone generation

Output jacks for both headphones and handsets

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description 1	10
198002	Tone gen. & amp. probe \$79.99	\$71.99

EXTECH

Network and CATV Cable Tester

Continuity tester for twisted pair cables and F-type coax cables.

- · Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T
- Shield detection test
- "F" connector for troubleshooting CATV and coaxial installations
- Size: 3.25"H x 2.0"W x 1.25"D
- Tests installed wiring and jumper cables, shielded or unshielded twister pair cables (CAT5e/CAT5/CAT4/CAT3)
- Includes 2 AAA batteries
- · Tests cable lengths from 3 ft. to 600 ft.

Part No.	Product No.	Price
645634	CT100	\$28.49

LANtest Network and Modular Cable Tester

- · Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A 568B and token ring cable, etc.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power

Part No.	Product No.	1	10	5
615136	45-5767-0000	\$115.79	\$104.24	\$93.8

ATEN Short Haul Modem

- Up to 38,400 baud
- · Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- · Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)

Description Part No. 116581 Short haul modem ⊕ \$29.95 \$26.95 \$23.95

ATEN Bidirectional Non-Buffered Serial-to-Parallel Converter

· Bidirectional conversion of parallel and serial signals

Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8

- Connectors: one DB25 female and one Centronics 36-pin male
- Stop bits: 1 or 2
- Baud rate: 300 to 38,400bps
 Weight: 0.8 lbs.
- One-year warranty • Size: 4.0"L x 2.5"W x 1.0"H Includes: AC adapter (9VAC @ 200mA) and manual

Part No. Description 116935 Bi-converter ⊕ \$49.95 \$44.95

Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer

- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps 115,200bps
- · FCC class A certified, CE certified
- · LED indicator for parallel busy status
- DCE/DTE selectable Stop bits: 1 or 2
- Size: 3.8"L x 2.4"W x 1.0"H
 - · Weight: 0.8 lbs.
- · One-year warranty

Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983	Serial/parallel converter ⊕	\$48.49	\$44.95

RS-232 to RS-485/422 Bidirectional Converters

117701

Now a

European

Version!

- · Cable length: 4000' max.
- Data rate: 1MB/second Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- · Point-to-point and
- multidrop operations RS-232: DB25 female connector
- RS-485: terminal block
- and RJ11 connections
- Input: 110VAC; except P/N 129218 220VAC input
- Weight: 0.9 lbs.
 One-year warranty

197931: port powered (power adapter not included) · Data rate: 100kbps

122956: features RS-485SI; optical isolation: 2000V

129218: features 220VAC input **Quantity SAVE** Includes: 9VDC @ 300mA power adapter

Part No.	Description 1	10
117701	RS-232-485/422⊕\$ 57.95	\$51.95
197931	RS-232-485/422 ⊕ 69.95	52.45
122956	RS-232-485/422 OPT ISO ⊕ 119.99	89.99
129218	RS-232-485/422 (220 VAC) 3 42.95	32.21



Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to **NewProducts@Jameco.com**.

① This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product





8-Port Ethernet Hub

Although designed to the exacting standards of IBM for use in large corporate networks, its price and easy setup



make it perfect for small office or home office use. Compatible with all standard STP, UTP, and FTP cables. Can be cascaded to support larger networks via the **Quantity SAVE** MDI (uplink) port.

• Size: 8.7"W x 5.3"D x 1.1"H • Weight: 1.7 lbs.

Part No.	Description	1	10
226149	8-port hub	\$44.95	\$33.71

External 3-Port USB Thumbhub

Expand your single USB port to a stacked 3-port thumbhub.

- · USB Revision 1.1 compliant
- · LED indicators uplink/down port communication, and OCP status
- · Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible with Windows® 98/98SE/2000/ME/MAC OS8.5
- Size: 3.1"L x 0.8"W x 1.2"H

OILO. O.	1 L X 0.0 W X 1.2 11		
Part No.	Description	1	10
208451	3-port thumbhub ⊕	\$14.95	\$14.49

USB 2.0 Docking Station

- · Connects via USB-A port to your laptop
- · Size: 4.8"W x 2.5"D x 1.0"H

System Requirements: PC with 75MHz min. Pentium® or equivalent; 16MB of RAM minimum, available USB-A port, Windows® 98 or later

Part No.	Product No.	Lower \$\$\$	1	5
527822	USB 2.0 dock			\$15.95

19" Rack Mount **CAT 5 Patch Panels**

Our CAT 5 patch panels feature 110D punch locks that are



Part No.	Description Quantity SAVE 1	10
208768	12-port patch panel ⊕ \$28.99	\$27.55
208784	24-port patch panel ⊕ 42.75	32.06
		\sim

Cat5e/6 Network Cables see page 108

19" Rack Mount Enclosures

- · Ventilation holes on all sides
- Front and back panels are steel w/ aluminum. pre-punched face plates
- Front panel: 0.12" thick
- Black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813

Includes: Mounting screws

Blue P/N = Limited Quantity

	Dimensions (In.)			Wt.	Pric	ing
Part No.	H1	H2	D	(lbs.)	1	10
132813 🗷	1.73	1.25	9.75	6.2	\$39.95	\$35.99
132822 🗷	3.46	3.00	9.75	7.9	47.95	43.49
132840 🕿	3.46	2.88	11.75	9.1	53.95	48.59
132847 🕀	5.22	4.75	11.75	10.6	63.95	55.99
132855 ⊕ •	5.22	4.75	13.50	11.8	73.95	66.95
132864 🗷	8.56	8.00	13.50	15.4	94.95	84.95

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (IU) rack space
- PS/2 connector for keyboard and trackball
- 19.0"W x 13.0"D x 1.75"H
- · Weight: 18 lbs.

Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644	Rack mount KB drawer⊕ .	. \$249.99	\$234.99

133751

229489

Relay Rack & Rack Panels

Rack:

- · Black powder coat finish 10-32 threaded holes
- · Used with 19" wide panels
- 16 gauge CRS base
- 1/8" aluminum side rails
- Size (at base):
- 19.8"W x 15.3"D x 84.0"H
- Dimensional weight: 70 lbs.
- 19" Wide Panel: · 10-gauge black steel
- Rack screw:
- 10/32 screw; 5/8" phillips head (50 ea.)

Part No.	Description	Height	1	1
133751	Relay rack⊕	84"	. \$159.95	\$147.0
229489	Rack panel (2U)⊕	3.50"	10.95	10.3
229500	Rack panel (4U)⊕	7.00"	14.55	13.9
229446	Rack screw (50 ea.)⊕	—	8.25	7.4

Cabinet Mounting Plate for 19" Cabinet

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- · Made of industrial grade steel and aluminum

 Šize: 19.0"W x 15.8"D x 3.5"H Part No. Description 149500 Cabinet mount plate⊕ \$39.95 \$35.95



Digital I/O Board TTL Level PCI Bus

- · Output: 2.5mA @ 0.45V sink.
- 2.5mA @ 2.4V source · 24-bit digital I/O
- Three 8-bit ports

Includes: InstaCal: installation & test utilities software

Part No.	Product No.	1	1
197827	PCI-DI024⊕	. \$88.95	\$85.9

Server Chassis

Intel® Server Chassis

Designed and validated for easy, cost-effective integration. A full line-up of pedestal and rack-optimized chassis are available



لمint

to meet your customers' diverse needs.

Additional Server Chassis available from SuperMicro, Evercase and Wintec

Also available Intel Slim Line Drives

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Computer Case Offering at www.Jameco.com/Prod/ServerChassis

Complete Embedded Ethernet and Internet Book

Lakeview Research

Learn about networking with embedded systems. Topics include networking basics, hardware options in building a network, using internet protocol in local and Internet communications. (482 pages, 2003)



• Size: 7.0" x 9.0" • Weight: 1.7 lbs.

Part No.	Description	Price
236945	Ethernet and Internet Book	\$44.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

ROHS Compliant Product RoHS Also Available





779376

BELDEN

PowerSense™ Power-Over-Ethernet Mid Span Hubs

PowerSense AX-6000 Series

- Current limited for short circuit protection with power isolation of 1500VRMS
- Supplies a full 15.4W for up to 8 devices as per IEEE 802.3af standards
- · Two diagnostic LEDs
- Auto detects power requirements for safety and offers transparent 10/100Mb and management operation
- Support for all compliant IEEE 802.3af powered devices
- All chassis products feature a removable US power cord with IEC plug

1 Slot Chassis with one standard 6500 module installed

Part No.	Product No.	Description	1	5	10
779093	AX-6108 ₹ ⊹	8 power & data ports (10/100Mbps)	\$451.25	\$428.69	\$407.25
779106	AX-6108-RM ₹ ↔	Optional 19" rackmount kit	18.99	18.05	17.15

8 Slot Chassis with up to three 6500 modules installed

779114	AX-6524 2 +	24 power & data ports (10/100Mbs)	\$978.15	\$958.99	\$939.99
779122	AX-6516 2 +	16 power & data ports w/ 1 cover plate	786.59	770.79	754.99
779131	AX-6508 ≉ ⊹	8 power & data ports w/ 2 cover plated	599.15	587.07	574.99

BELDEN

PS5E HD Patch Panels

PS5E HD patch panels are robust and installer-friendly products by design, combining punch-down connectors and standard modular jacks. They are available in both BIX and 110 insulation displacement connection (IDC) options. A color-coded icon labeling system can be used to tag each patch panel port and simplify network management.



779093

779114

701277

· Swivelable and lockable

Part No.	Product No.	Description	1	5	10
701241	AX100464 ₹ ↔	BIX patch panel, 1U, 24 port gray, T568A/B	\$99.19	\$94.23	\$89.49
701253	AX100465 ₹ ↔	BIX patch panel, 1U, 24 port black, T568A/B	99.19	94.23	89.49
701265	AX100472 2 .	BIX patch panel, 2U, 48 port gray, T568A/B	199.99	189.99	179.99
701277	AX100473 ₹ ↔	BIX patch panel, 2U, 38 port black, T568A/B	199.99	189.99	179.99
701289	AX100452 2 +	110 patch panel, 1U, 24 port black, T568B/A	108.69	103.25	98.09
701294	AX100454 % +	110 patch panel, 2U, 48 port black, T568B/A	217.35	206.64	190.65

BELDEN

Optimax Tool Kit

Conveniently packaged in a carrying case, this optimax tool kit includes tools, installation instructions and a training video in CD form required to terminate $900\mu m$ buffered optical fiber and jacketed optical fiber, install LC/SC or ST compatible mode and single mode connectors. Includes: Installation tools, fiber cleaver, crimping tool, instruction manual, microscope, tweezers, alcohol wipes, marker, scissors, waste bottle, fiber stripper, cable stripper and training video.

Part No.	Product No.	1	5	10
701302	AX100497 ≉ ⊹	\$987.75	\$939.47	\$891.19

BELDEN Angled Management Bar Kit

This angled bar management kit is composed of an angled bar with 4 management devices each managing 6 cables. The short range installation bracket allows the management bar to be swiveled upward and maintain on the horizontal position and

- allows installation in tight spaces.

 Retrofittable to any patch panel or patch cord
- independent of manufacturer or performance
- Compatible to usual cable management solutions
 Clear label identification
 Part No.
 Product No.
 1
 5
 10

Accessories available at www.Jameco.com.

. This product is a special order, non-cancelable, non-returnable and may take 2-4 weeks to ship.

PowerSense AX-8000 Series:

- Individual power modules, hot swappable in the 19" rackmount ready chassis, use 1 per powered device
- Current limited for short circuit protection with power isolation of 1kV between ports for safety
- User replaceable fuses for recovery from power surge or lightning damage, quickly repair any module
- 4 diagnostic LEDs
- · Removable US power cord with IEC plug
- Mix & match for compatibility with IEEE802.3af or legacy Cisco CDP power devices, 12V or 24V protocol

Chassis complete with 10 standard power chassis modules

Part No.	Product No.	Description	1	5	10
779350	AX-8310 ≈ ↔	10 pwr. & data modules, 12V protocol	\$669.75	\$636.25	\$604.45
779368	AX-8410 ≈ ↔	10 pwr. & data modules, 24V protocol	669.75	636.25	604.45
779376	AX-8510 ₹ ↔	10 pwr. & data modules, IEEE802.3af compatible	669.75	636.25	604.45
779384	AX-8610 ₹ ↔	10 pwr. & data modules, Cisco CDP protocol	748.55	734.27	719.99
700751	AX-8300HW ≉ ↔	Double wide power & data module, 12V protocol	77.45	75.82	74.19

Category 6 Network Cables

- With RJ45 plugs and molded strain reliefs
- · Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 Category 6 draft 8

Category 6

Categor,	<i>y</i> 0			
Part No.	Length	Color 1	10	50
219707	3 ft. 🗷	Gray\$2.79	\$2.69	\$2.56
219731	25 ft. 🗷	Gray 9.39	8.92	8.47
219740	50 ft. 🗷	Gray 14.29	13.58	12.90
219854	3 ft. 🗷	Blue 2.79	2.69	2.56
219889	25 ft. 🗷	Blue 9.39	8.92	8.47
219897	50 ft. 🗷	Blue 14.29	13.58	12.90
220003	3 ft. 🗷	White 2.79	2.69	2.56
220011	7 ft. 🕿	White 3.99	3.87	3.68
220046	50 ft. 🗷	White 14.29	13.58	12.90
219900	3 ft. 🗷	Red 2.79	2.69	2.56
219934	25 ft. 🗷	Red 9.39	8.92	8.47
219942	50 ft. 🗷	Red 14.29	13.58	12.90
219803	3 ft. 🗷	Green 2.79	2.69	2.56
219838	25 ft. 🗷	Green 9.39	8.92	8.47
219846	50 ft. 🗷	Green 14.29	13.58	12.90
219758	3 ft. 🗷	Black 2.79	2.69	2.56
219782	25 ft. 🗷	Black 9.39	8.92	8.47
219791	50 ft. 🗷	Black 14.29	13.58	12.90
219969	7 ft. 🕿	Yellow 3.99	3.87	3.68
219993	50 ft. 🗷	Yellow	13.58	12.90

More CAT6 cables available on page 108

What is Power Over Ethernet?

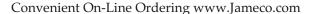
Power over Ethernet or PoE technology adds electrical power transmission to remote devices over standard twisted-pair cable in an Ethernet network. This allows powering IP telephones, wireless LAN access points, webcams, Ethernet hubs, computers, and other appliances where it would be inconvenient or unfeasible to supply power separately.

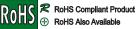
The technology is somewhat similar to POTS telephones, which also receive power and analog data via the same cable. The most important benefit of PoE is that it works with an unmodified Ethernet cabling infrastructure.

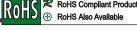
Practical Practices
Money Saving Tips for the Engineer

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1









DigiVue™ Complete Digital Security Video Recording System

Kit includes a PCI video capture card, 2 outdoor color day/ night cameras, 2 micro dome color cameras, video recording software with drivers, four 50' video/power cables and



4 power supplies for the camera.

EDV-XV425 Video Capture Card:

- 60fps per card
- · Monitors multiple IP addresses
- Supports multiple card installations
- · 4-channel video and 1-channel audio
- · Supports real time WAN/LAN and internet monitoring

EC-624 Outdoor Color Day/Night Camera:

- 1/4" CCD imaging chip 30 feet IR range
- 0.1 lux sensitivity Built-in electronic iris control
- 420 TV line resolution 6mm lens with F2.0

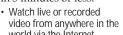
ECMD-01 Micro Dome Color Camera:

- CMOS imaging chip Clear dome
- 380 TV line resolution

Part No.	Product No 1	10
639584	EDV-XV425 kit\$449.99	\$405.00

VISEC Home Office Security System

Turns your PC into a powerful, global-wide surveillance system in 5 minutes or less.



- world via the Internet · Record months of video at a time
- · Record when motion is detected, incrementally or continuously
- · Be alerted when intruder enters with a picture to your cell phone, PDA or email address
- · Supports multiple cameras including: webcams, spycams, wireless and IP based network cameras

Minimum system requirements: Windows® 95/98/ME/ NT/2000/XF

Part No.	Description	1	10
404531	Security system ⊕	\$150.99	\$139.00

DigiVue™ Digital Surveillance System

This high-speed PCI video capture card comes with 4 video inputs, 1 audio input that provide & super digital images from multiple cameras



and remote surveillance. Add up to 4 cards per system controlling up to 16 cameras.

- · Input signal: 4 video, 1 audio channel
- Watermark time and date stamp
- · Display and record: 60 frames/sec.
- · Enhanced MPEG4 format
- · Adjustments: light, contrast, hue, saturation
- Record mode: event/continuous/schedule
- Resolution: 160 x 120 to 640 x 480
- · Storage: HDD/VDRAM/CD-RW/DAT/MO/ZIP/RAID
- Supports real time WAN/LAN and internet monitoring via client software, internet explorer

Includes: CD-ROM and drivers

Minimum system requirements: Pentium 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No	1	10
639568	EDV-XV425	. \$94.95	\$85.46

14" Color CCTV Monitor

- NTSC/PAL switchable
- · Operating frequency: EÍA - 15750Hz/60Hz: CCIR: 15625Hz/60Hz
- · Input voltage:
- Input signal: CVBS - 1Vp-p (typical); Y/C separation – 1Vp-p



- Input impedance: hi/lo impedance (switchable)
 Video in/out channel (BNC): 2 BNC connectors (CVBS in/out); 2 4-pin mini DIN (YC in/YC out)
- · Audio in/out channel: 2 inputs/2 outputs
- · Front panel control: power on/off; contrast, brightness, color, tint, sharpness, volume (AV/YC) switches
- CRT dot pitch: 0.63mm
- Power consumption: 70W
- Res.: >420 lines • Size: 13.8"W x 14.4"D x 12.6"H • Weight: 31.9 lbs.

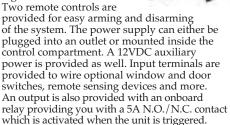
Part No.	Mfr. Part No. 1	10
320119	15-MC14A \$277.39	\$249.65

ELYSSA CORPORATION

Self-Contained Security System

· CRT: 14" diagonal

The ABS-1000+ security system is comprised of a control panel, motion sensing device, and 115dB siren all built-in inside an easy to mount steel cabinet. Mounted to a ceiling, infrared motion sensor can sense up to 12 feet high and 30' wide.



- Heavy gauge steel cabinet
 115dB siren
- Passive infrared motion detection
- Size: 9.0"W x 9.0"D x 7.25"H
- Weight: 11 lbs. (without battery)

Part No.	Product No.	1	10
681213	ABS-1000+	\$169.95	\$161.45

USB Color Camera with Built-In Illuminator

Just connect this camera into your computer's USB port, install the included software and you are ready to be seen on the web.

- · 1/3" CMOS digital sensor
- 6mm lens · 350k pixels
- Still image: 640 x 480 · View angle: 62°
- Min. lux: 0 (w/ IR illuminator) USB powered
- · Slide bar hue, contrast and brightness control
- Auto or manual exposure, gain and white balance adjustments · 380 line resolution
- Frame rate: 15fps @ 640 x 480 res.; 3fps @ 160 x 120 to 352 x 288 res.

Includes: CD ROM software and drivers

Part No.	Product No. 1	10
639576	EC-PC-CAM \$47.45	\$42.71



Camera: EIA Format

- 512(H) x 492(V)
- 1/3" CCD image sensor
- 420 TV lines
- · 6 IR LED light for view in the dark applications
- Min. illumination: 0 lux with LED; 0.1 lux without LED
- Signal & noise ratio: >48dB Built-in audio function

Monitor: EIA Format

- · 6" Monitor with auto switching audio/video input; auto switching time selectable (2 to 20 seconds auto cycling)
- 2-channel audio/video input, 1-channel audio/video synchronous output
- Contrast, brightness and V frequency adjustment at the back of the monitor
- Auto switching time selection, volume adjustment button on front panel
- Time (seconds) scale display in front panel
 Size: 6.6"W x 5.5"H x 7.5"D

Includes: camera with bracket, cable 13.5VDC @ 1.2A power supply

Part No.	Description	1	10
639613	Camera with monitor	\$122.55	\$110.30

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system with 510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Signal to noise ratio: >48dB 330 TV lines
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- · Video drive iris control; high/low switchable auto gain control: on/off backlight compensation
- · Internal, negative synchronous system
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993, pg 241)

Includes: Power/signal cable & mounting hardware

)	Part No.	Description 1	10
	213436	Enclosed color camera ⊕ \$179.95	\$161.95

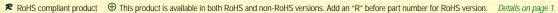
Night Vision Infrared Lighted Camera

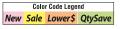
EIA Format

- · Adjustable camera lens
- · Auto iris controlled
- · Built-in voltage regulator
- Horizontal synch. frequency: 15.734kHz
- 6 infrared LEDs for night vision
- Scanning system: 2:1 interlace
- Video output: 1Vp-p; 75Ω
- Lens: 3.6mm 380 TV line resolution
- · Audio output: 2Vp-p max. • FOV: 92
 - 0.1 lux with F2.0
- Matching conn.: RG59 BNC (P/N 71271, pg 155)
 Size: 2.9"L x 2.0"W x 2.0"H Weight: 1.2 lbs.

Includes: 12VDC @ 500mA power supply and wall mounting bracket

Part No.	Description	1	10
150404	Infrared lighted camera	\$119.95	\$109.00





Black and White Camera with 8mm Lens

- 1/3" CCD image sensor
- · Horizontal res: 420TV lines
- · Min. illumination: 0.1 lux
- Horizontal freq.: 15.734kHz
 510(H) x 492(V) EIA
- signal format
- Vertical freq.: 60HzClock freq.: 19.0699MHz
 - · S/N ratio: 48dB
- Scanning system: 2:1 interlace
 Electronic shutter: 1/100,000 sec.
- · Auto iris lens: DC drive/AES/video drive
- Video ouput: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- · Backlight compensation and auto-gain control selectable
- Power requirements: 12VDC @ 100mA; 24VAC
- Size: 4.5"L x 2.0"W x 2.0"H Weight: 0.8 lbs.

Part No.	Description	1	10
245041	Black & white CCD camera \$99	.95	\$89.95



Black & White **Low-Light Camera**

Sony Chipset

- Signal to noise ratio: >48dB
- · Requires 12V power source (not included)
- 6" wires with 4-pin
- Molex-type keyed connector
 EIA system 537(H) x 505(V)
- Temp. tolerance: -5°C to 40°C Lens: 3.6mm
- · Composite output with 420 line resolution
- Shutter speed: 1/60 1/1000
 FOV: 92.6°
- Video output: 1.0Vpp composite video/75Ω
- Size: 1.3"L x 1.3"W x 1.0"H One-vear warranty
- Blue Part No. = Limited Quantity Available

Part No.	Description 1	10	25
150931	Camera board • \$61.89	\$58.80	\$55.97
159071	8mm lens 38.6° 16.15	15.39	11.54

Black & White Camera with Lens

EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- · Scanning system: 2:1 interlace Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996, pg 240)
- Video output: 1Vp-p, composite video 75Ω
- Size: 1.3"L x 1.3"W x 1.2"H · S/N ratio: 46dB
- Power consumption: 110mA FOV: 92
- Electronic shutter: 1/125,000 sec. (linear)

Part No.	Description 1	10
171029	Camera board\$44.95	\$40.45

Mini Wireless Color Camera

Place a color video camera with sound almost anywhere! This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux

wireless camera



and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150-foot (unobstructed) range, light weight, and 9-volt battery power, you can now add video capability to a world of hobby applications.

Part No.	Description	1	10
249025	Wireless color camera	\$89.95	\$80.95

Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- · Min. illumination: 0.5 lux
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- S/N ratio: 52dB
- · Scanning system: 2:1 interlace
- Electronic shutter: 1/120,000 sec.
- · Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- · Backlight, auto-gain, and mirror reverse picture switch selectable Auto-tracing white balance
- 2X digital zoom
- Power requirements: 12VDC @ 150mA
- Size: 5.0"L x 2.0"W x 2.0"H · Weight: 0.8 lbs.

Part No.	Description	1	10
395461	Color camera	. \$103.35	\$93.89

Color Interline Camera

Water Resistant with Adjustable Mounting Bracket

- EIA format
- 1/3" CMOS
- image sensor EIA format:
- 512(H) x 492(V)
- 330 horizontal line resolution
- · 2:1 scanning interlace system
- 5 lux sensitivity
- Video output: 1V p-p; 75Ω
- S/N ratio: 40dB
- · 6mm lens/F2.0 • FOV: 530
- Electronic shutter: 1/60 1/1,200 sec.
- · Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply
- Size: 2.6"L x 0.9"Dia.

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017	Color camera	\$99.95	\$89.95

2.4GHz Wireless Weatherproof Color Camera with PIR

NTSC format

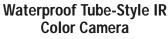
- · For indoor and outdoor use
- ¼" CCD image sensor
- 380 horizontal line resolution
- · 3 lux with F2.0; 0.5 lux with F1.2
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max
- Transmitter output power: 10mW
 Output impedance: 50Ω typical
- Pulse counter w/ automatic reset

Size: 4.2"W x 5.0"D x 4.8"H

mounting hardware

Includes: 12VDC @ 500mA power supply and

Part No.	Mfr. Part No.	1	10
319871	15-2400CTH	\$195.25	\$180.25



NTSC Format

- · For indoor and outdoor use
- 1/4" CCD image sensor
- 512(H) x 492(V)
- 420 horizontal line resolution
- 59.94Hz vertical frequency
- · Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- Internal synchronization S/N ratio: >48dB
- Up to 1/100,00 sec. electronic shutter
- Auto white balance and gain control
- · 880 ~ 940nM infrared wavelength
- Video output: 1Vp-p, 75Ω
- Size: 2.1"Dia x 3.8"L 4.3mm lens with F1.8

Requires: 12VDC @ 160mA power supply (recommend P/N 162996, pg 240)

Includes: Mounting hardware

Part No. Mfr. Part No. 319901 15-CM25WM \$189.05 \$184.29

2.4GHz Wireless Color **Dome Camera**

NTSC Format

- 1/4" CCD image sensor
- 512(H) x 492(V) 380 horizontal
- line resolution
- 1 lux with F2.0 · Scanning system:
- 2:1 interlace S/N ratio: 48dB
- · 60Hz vertical frequency
- Up to 1/120,000 second electronic shutter
- 3.6mm lens with F2.0 • FOV: 92°
- Video output: 1Vp-p, 75Ω Size: 3.4"Dia x 2.3"H
 Power supply: 12VDC @ 300mA

Includes: 12VDC @ 300mA power supply and mounting hardware

210055	15 2400CTD	\$175.25	\$165.00
Part No.	Mfr. Part No.	1	10
,	,		

Mini Dome Color Camera

NTSC Format

- Perfect for ceilings
- 1/4" CCD image sensor
- 512(H) x 492(V) 330 hórizontal líne res.
- · S/N ratio: 46dB
- · 15.73kHz horizontal synch. frequency
- Scanning system: 2:1 interlace
- Up to 1/96,000 second electronic shutter
- 3.6mm lens with F2.0 Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 160mA (recommend P/N 162996, pg 240)
- 2 lux/F2.0
 FOV: 92°
- Size: 3.5"Dia. x 2.3"H

Includes: Mounting hardware Part No. Description

same business-day shipment.

Mini-dome camera

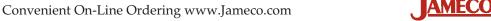
Place your order by 6PM EST for

Over 99% of Our Catalog Products Are In Stock

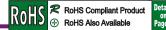


Quantity SAVE

\$139.95 \$104.96



171037



4-Channel 2.4GHz Wireless Audio/Video Transmitter System

CCIR, NTSC, PAL, EIA Format

- ISM Band: 2.413 2.470GHz
- · Four selectable transmitter and receiver channels
- · Antenna mode: dipole (omnidirectional)
- Impedance: 50Ω typical
- Video input: 1Vp-p composite

· Weight: 3.2 lbs. Audio input: 2Vp-p max.

Includes: Two 9VDC @ 300mA with 1.3mm x 3.5mm center positive plug, and two 2.5mm male to RCA patch cables

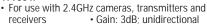
Part No.	Description	1	10
265308	4-ch. wireless system	\$149.95	\$134.95

2.4GHz Wireless Audio/Video Transmitter

- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 watt Video input: 1Vp-p
- Audio input: 2Vp-p
- **Quantity SAVE** • Size: 2.4"L x 1.9"W x 1.4"H

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

179864:



Part No.	Description	1	10
289852	Wireless audio/video tran \$199.9		
179864	2.4GHz SMA RF antenna 13.6	55	10.24
179872	Wireless extension cable 10.9	99	9.89

4-Channel 2.4GHz Wireless Audio/ Video Receiver and 10mW Transmitter

Make your camera wireless up to 492 feet!

- · Transmission range: 492' (150M outdoors); 164' (50M indoors) · 4-channel switch selectable
- on transmitter Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- RCA jacks for audio and video connectors Receiver:

· Non-volatile memory

- protects system set-up from power loss Video loss detection and freeze channel
- Mute and alarm trigger port · Weight: 1.8 lbs.
- Size: (transmitter) 4.5"L x 3.2"W x 1.0"H
- Size: (receiver) 6.5"L x 5.5"W x 1.4"H

Includes: RCA cable, 12VDC @ 500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description 1	10
192858	4-channel transmitter \$94.45	\$85.05
192866	4-channel receiver 124.95	112.95

Cable Assembly $(75\Omega RG59/UBNC - BNC)$

				-	
Part No.	Length	1	10	50	100
262730	25' 🕀	\$9.95	\$8.96	\$7.17	\$5.38
262748	50' ⊕	17.05	16.25	15.45	14.69

For additional BNC Cables see pages 114 & 155.

4-Channel Digital Video **Multiplex Recorder**

Record and monitor your security surveillance system with this 4-channel digital



- · TCP/IP with client software web interface
- Conventional VCR back up, remote back-up using TCP/IP, or internal back-up Plug and play
- RS-232C, RS-485, 4-alarm input, 1 relay output
- Pan, tilt, zoom, and focus camera control Video I/F
- 4-channel input, 1Vp-p, 75Ω unbalanced · 480 TV lines BNC type connectors
- 16.7 million colors · S/N ratio: >48dB 4 output (BNC/SVHS/VGA type)

Monitoring Method

- · Split screen (full/quad display), zoom, PIP, sequence
- Screen quality: full screen 720(H) x 480(V) active pixels; ¼ screen 360(H) x 240(V) active pixels

Recording/Playback Function

- 30 frames/sec. maximum
 JPEG compressed picture
- · Quad screen recording or field switcher method
- Real time/time lapse/event record mode
- · Search/still track play

Includes: Remote control, 12VDC @ 4.16A power supply, manual and software in CD-ROM

Par	No.	Mfr. Part No.	1	10
320	127	15-DVR04SAE-LAN \$50	55.25	\$537.55

Audio/Video Adaptor

CAT 5 UTP

289852

179864

192858

192866

· Converts impedance of video/audio signals to 100Ω for transmission over CAT 5 UTP cable



- · Built-in impedance matching device and filter for video and audio signal transmission
- Use with existing wiring and wall jacks for easy and cost effective installation
- · Video trans. distance: 1000' color/ 2000' black/white
- · Signal pair: video (BNC), CAT pair 1 (RJ45) 220880:
- Signal pairs: video (BNC), CAT pairs 4(RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA),

CAT pair 2 (RJ45) Includes: Mounting hardware

Blue Part No. = Limited Quantity Available

Part No.	Description 1	10
210471	BNC/RJ45 w/ cable \$28.45	\$25.60
220880	BNC/RJ45 ⊕ • 42.95	32.21

Outdoor Metal Camera Enclosures

· Plate glass: 3mm thick

170931: without heater

· Clear window area: 2.5"W x 2.3"H

Part No

- Max. camera size:
- 4.0"L x 2.4"W x 2.4"H
- Size: 16.0"L x 4.9"W x 4.9"H · Weight: 2.8 lbs. 170940: w/ heater (keeps optics from fogging)
- Clear window area: 3.5"W x 3.1"H
- Max. camera size: 6.5"L x 3.2"W x 3.2"H

Description

• Size: 11.0"L x 3.6"W x 3.6"H • Weight: 6.8 lbs.

~	i ditivo.	Description	•	10
)	170931	Camera housing 🕀 \$28.4	5	\$21.34
	170940	Camera housing w/ heater ⊕ 62.99	5	50.95

Dual Page Color Quad Processor

- Signal format: NTSC/PAL color
- Display rate: 60fps/50fps
- No. of video input channels: 4 with loop
- Video outputs selectable: 1Vp-p 75Ω (full screen or quad)
- · Alarm input: 8 · 7-character titles
- Video inputs: 1Vp-p, 75Ω BNC video connectors Memory 1024 x 512 · Zoom definition: 2 x 2
- · Switching interval: 1 to 99 seconds
- Date time generator
- Size: 16.9"W x 1.8"H x 8.5"D

Part No. Product No. 10 638240 15-QC43 🕿 \$196.05 \$175.05

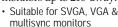
Lower \$\$\$

176866

133866

ATEN SVGA Monitor Splitters

Duplicate a video signal from one source to monitors up to 210' away.



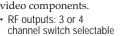
176866: 2-channel

- · 1 HDDB15 male connector from PC to box; 2 HDDB15 female connectors from box to monitors
- · Weight: 1.4 lbs. Size: 6.6"L 3.3"W x 1.1"H 133866: 4-channel
- · Slide switch for video signal gain control
- Daisy chainable One-year warranty • Size: 8.8"L x 6.0"W x 1.9"H Weight: 3.6 lbs.
- Includes: Power adapter and manual

	·	
Part No.	Description 1	10
176866	2-ch. monitor splitter ⊕ \$49.95	\$37.46
133866	4-ch, monitor splitter ⊕ 59.95	51.66

Video RF Modulator w/ S-VHS Input

Designed to convert separate audio and video signals from various video components.



- RF output impedance: 75Ω Video input impedance: 75 or 1kΩ
- Audio input impedance: 13 ±3kΩ
- TV to antenna insertion loss 50 806MHz: -2dB
- Video carrier output level: 69dBuV

Part No.	Mfr. Part No.	Description	Price
319062	203-101 🕀	Video RF modulator	\$14.95

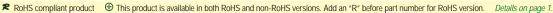
Mini Indoor Pan & Tilt Mechanism

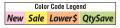
Continuous Pan

- · Automatic scanning: 0° - 355° angular travel; pan clockwise and counter-clockwise
- Manual tilt: 0° 90°
- · Pan speed: 5°/sec.
- Maximum load: 4.4 lbs. · Power consumption: 1 watt
- Size: 2.5"Dia. x 2.4"H
- · Weight: 0.4 lbs.
- · Warranty: 2 years continuous use

Includes: 24V @ 150mA power supply, wall mount bracket and mounting hardware

Part No.	Description 1	10
215407	Mini pan/tilt ⊕ \$49.95	\$44.90







Camera not

included

Mount Your Video Camera Almost Anywhere

As steady as a tripod, the Window Camera Mount lets you anchor that video camera to any glass surface at any height.



Mount your video or CCTV camera on any window or other non-porous surface, and capture what you've never been able to before. This heavy-duty



Mounts easily to your car window

metal mounting bracket attaches securely to any glass surface with a strong lever-activated 3.25" neoprene suction cup. Mount your camera onto the tripod-style screw. Adjust to any position, and you're ready to shoot hands-free. It's perfect for temporary surveillance of your business or home. For cameras up to 3 lbs.

Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
222746	CCTV camera window mount ⊕ •	\$32.49	\$29.25

Mounting Brackets for Enclosed Camera

· Material: plastic



Swivel angle: 360°

Tilt angle: 90°

· For use w/ enclosed cameras (P/N 150404, pg 267)

171002: Ivory 170982: White



Part No.	Max Load (lbs.)	Ht. (in.) 1	10
171002	11 lbs. ⊕	6.4 \$3.99	\$3.19
170982	6.6 lbs. ↔	2.0 5.49	4.12

Camera Mounting Bracket

· Aluminum construction (white coated)

· Maximum load: 6.5 lbs.

· Overall height: 5.1"

Base diameter: 1.8"

Swivel angle: 360°

Tilt angle: 120°

Base mounted w/ 3 screws (included)

Description 15-R009 (f)\$6.65 311191

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with suggestions for products you'd like to see in future catalogs.

Honeywell

Receptacle & Multimedia Wall Outlets















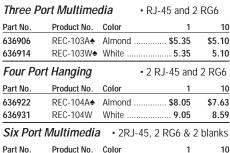
Coax		• Single RG6			
Part No.	Product No.	Color	1	10	
636818	REC-101CA	Almond	\$1.15	\$1.10	
RJ-11 Telephone • Single RJ-11					
Part No.	Product No.	Color	1	10	
Part No. 636842	Product No.	Color Almond	<u>1</u> \$1.19	10 \$1.15	

RJ-45 16	eiepnone/Dai	<i>a</i> • Si	ngle RJ-45	
Part No.	Product No.	Color	1	10
636834	REC-101T5W	White	\$4.05	\$3.83
636826	REC-101T5A	Almond	4.05	3.83

RJ-11	Lelephone Han	ging	• Single RJ-11	
Part No.	Product No.	Color	1	10
636869	REC-101THW♠	White	\$2.19	\$2.05
636851	REC-101THA	Almon	d 2.45	2.32

Two Port Multimedia		• RJ-	45 and R	G6
Part No.	Product No.	Color	1	10
636885	REC-102A	Almond	\$5.15	\$4.87
636893	REC-102W◆	White	4.59	4.34

See pages 267-268 for our Enclosed Cameras.



Almond \$9.15

\$8.71

636957	REC-106W♠	White	8.65	8.20
Blank Re	ceptacles	• Includ	les 10 blank fa	ace plates
Part No.	Product No.	Color	Ports 1	10
636965	REC-201A	Almond	Single \$.89	\$.88
636973	REC-201W♠	White	Single82	.78
636981	REC-202W♠	White	Dual82	.78
636990	REC-202A	Almond	Dual92	.87
637001	REC-203A	Almond	Three 1.39	1.32
637010	REC-203W	White	Three89	.88
637028	REC-204A	Almond	Quad92	.87
637036	REC-204W	White	Quad92	.87
637044	REC-206A♠	Almond	Six82	.78
627052	DEC-206W	White	Siv 95	92

Honeywell

Part No.

636092

636105

Accessories

Telephone/voice icons 1.85

· Wheel of 16

Icons for CAT5 Inserts

Product No.

IIDT♠

IITP♠

100 10 Computer data icons\$2.29 \$2.07 \$1.88

636949

REC-106A

CAT5e Bezel		Pack of 10			
Part No.	Product No.	Description	1	10	100
636113	INS-BZ50♠	Orange bezel for CAT5e	Orange bezel for CAT5e\$.26		\$.234
CAT5e I	Bezels	• Pack of 10			
Part No.	Product No.	Description	1	10	100
636121	INS-C5P	RJ45 w/ blue bezel	\$3.25	\$3.07	\$2.92
636130	INS-C5RA	RJ45 w/ almond bezel	3.19	3.02	2.87
RG6 Co	nnectors w/ l	Bezel • Pack of 10			



636092



636148



636172

Mini Alarm Siren

Sound pressure: 108dB

· Output frequency: 3000Hz

Rated: 2-12VDC @ 300mA

Adjustable mounting plate 16" color coded connector wires, tinned

Size: 2.8"Dia. x 2.5"L

Part No.	Description	1	10	50
148152	Alarm siren	\$8.95	\$7.99	\$6.35

Notebook Computer Security Cable

This security cable uses a unique lock slot that is built into most of today's leading notebook computers. Safeguard your laptop, desktop and other valuable equipment. Description

Security cable

Part No.

355573



Length 6 ft. \$26.85 \$20.14

 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Honeywell

Future Smart Distribution Panels and Modules

AN-100 Basic Distribution Panel

Designed for installations where space is a premium. This economical panel provides distribution of voice and video



signals throughout the home.

- · Triple gang install ring and cover
- Video distribution: 1 line to 4 locations
- Telephone distribution: 4 lines to 6 locations (110 punch down)
- Size: 6.5"W x 4.75"H
- · Coax distribution: 1 in, 4 out
- · Supports cable type CAT3, CAT5 or CAT5e twisted pair, RG59 or RG6 coax cable

Part No.	Product No. 1	10
635882	AN-100♠ \$32.55	\$30.91

MDT-122P/MDT-124P Telephone **Distribution Modules**

These versatile, full featured telephone distribution modules are designed to provide user-friendly management



and control of telephone and data signals throughout the office or home. With built-in surge suppression, your phones and modems will be protected against bothersome power surges and spikes. These modules distribute signals to phones, fax machines, answering machines, caller ID's, and computer modems. High quality broadband designs and components are used throughout, assuring quality distribution from source to receiver.

- Module size: 12" (requires two expansion bays)
 Input: 2 pairs (2 lines)
- · Output: 11 locations (12 when used with KSU)
- Wire: CAT3, CAT5 or CAT5e UTP
- Max. line voltage: 280V
- Max. surge amperage: 200A Standard: USOC
- Protection modes: TG, RG UL497A rating
- Category A ringwave (L-N) 200A: 300V

MDT-122P:

- · Input: 2 pairs (2 lines)
- KSU/PBX interface: one 25-pair Amphenol/ Telco connector

- · RJ31x port for a quick and convenient connection to a security system
- · Comes standard with the QNP6X, QNP12X and QNP18X distribution panels
- Input: 2 pairs (2 lines)
 RJ31x port
- KSU/PBX interface: two 25-pair Amphenol/ Telco connector

Part No.	Product No.	Description	1	10
636412	MDT-122P♠	11 outputs	. \$82.35	\$78.24
636439	MDT-124P♠	11 outputs, RJ31x	163.85	155.64



MDT8-RJ/MDT16-RJ Telephone **Distribution Modules**

These telephone distribution modules are versatile, full featured modules designed to provide user-friendly management and control of telephone and data signals throughout the office or home. A built-in RJ31x port provides a quick and convenient



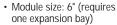
connection to a security system. These modules distribute signals to phones, fax machines, answering machines, caller ID's, and computer modems. High quality broadband designs and components are used throughout, assuring quality distribution from source to receiver.

- Module size: 6" (requires one expansion bay)
- Input: 4 pairs, 110 punch down blocks
 Output: 8 locations (MDT8-RJ) 16 locations
- (MDT16-RJ), RJ-45 and an RJ31x port Standard: USOC Wire: CAT3, CAT5 or CAT5e UTP

Part No.	Product No.	Description	1	10
636463	MDT8-RJ♠	8 phone outputs	\$33.39	\$31.69
636447	MDT16-RJ♠	16 phone outputs	48.45	46.01

MDX-48300/MDX-88300 Coax & Telephone Distribution Modules

These modules provide distribution of voice, data. and video signals throughout the office or home.



- Coax bandwidth: 1GHz
- · Coax forward path: 54 - 1000MHz
- Coax return path: 5 40MHz
- Telephone inputs: 4 lines, 110 punch down block
- Telephone outputs: 8 locations, 110 punch down block, and an RJ31x port
- Coax inputs: 1 TV/CATV, 2 pass-throughs for SATV & CCTV
- Supported cable: CAT3, CAT5 or CAT5e twisted pair, and RG59 or RG6 coax cable

Includes: RJ31x port for a security system

MDX-48300: with QND-4800 distribution panel · Video distribution: 1 line to 4 locations

· Coax output: 4 locations

MDX-88300: with QND-8800 distribution panel

- · Video distribution: 1 line to 8 locations
- · Coax output: 12dB amplifier to 8 locations

Part No.	Product No.	Description	1	10
636471	MDX-48300 ◆	4 coax outputs	\$40.19	\$38.18
636498	MDX-88300	8 coax outputs	52.19	49.59

MDT-124HB Punch Down Telephone Module for KSU

12-Port, 4 Line

- · 12 110-punch down blocks which distribute four incoming lines to 12 locations
- 6" form factor

Part No.	Product No.	1	10
636421	MDT-124HB♠	\$40.19	\$38.18

MDT-083P Telephone Module

8-Port, 3-Line

RI-11 harmonica style twisted pair module is designed to work with Panasonic Key Service Units (KSU) that require a three pair connection.



· 6" form factor

Part No.	Product No.	1	10
636404	MDT-083P♠	\$81.45	\$77.33

MDRP-114 Web Safe Internet Router

The MDRP-114 Cable/DSL firewall internet router provides internet security for homes and



small offices. With keyword and website parental control, parents can block websites that contain offensive content. The MDRP-114 also allows parents to control when and how long the internet is used. The router includes network address translation (NAT), which provides the first line of defense against computer hackers. Additionally, the router will keep a record of attempts to access restricted material or websites, or attempts to hack into your computer, and notify you via email. This will also allow you to share high speed cable/DSL internet access with as many as 253 users.

- 4 RJ45 10/100 auto switching ports
- DHCP (dynamic host configuration protocol) for simplifying LAN configurations
- Hub size: 6.25"W x 4.0"D x 1.25"H single height (requires one expansion slot)
 Routing protocols: TCP/IP, RIP-1, RIP-2, NAT,
- DHCP, PPTP, PPPoE, IPSec
- Power adapter: 12VDC @ 1.2A
- 5 RJ-45 ports with 1 cascade RJ-45 port
- Interface: LAN 10BaseT or 100BaseTX; WAN 10BaseT

Part No.	Product No.	1	1
636383	MDRP-114 ♠	\$196.85	\$186.9

42 New **Major Brands**

Just Added Over 65,000 New Products



📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.





P/N 645618 \$18.99

Mastech M300 • 2000 count

P/N 220812

\$9.79

· Extremely low cost

• 2000 count 6 functions 6 functions



P/N 355207

\$16.75

velleman

See www.Jameco.com/DMM for accuracy and complete specifications

Velleman DVM850BL

Jameco JE110 • 2000 count 6 functions

JAMECO



P/N 119212 \$19.95

JAMECO BenchPro

BP-1562

• 2000 count 6 functions



P/N 318781 \$9.95

MASTECH

Mastech MAS830L

• 2000 count 7 functions



P/N 220759 \$13.95

MASTECH

Mastech MAS838 • 2000 count



P/N 220741 \$19.95

JAMECO BenchPro

BP-1206

• 2000 count • 8 functions



P/N 27116 \$31.69

EXTECH

Extech MV110

• 2000 count

• 8 functions · Tiltable display



P/N 197958 \$36.95

Mastech MY64

P/N 220775

\$38.79

• 2000 count

• 2000 count • 11 functions



P/N 645571 \$36.95

	1								Basic Measure	ement Functior	ıs						Test F	unction	S		Special F	unctions		-			
Jameco		Display	No. of	Resolution	DC Voltage	AC Voltage	DC Current	AC Current	Resistance	Capacitance	Inductance		Frequency	Tempera	ture Range	Diode	Logic	Continuity	Transistor		Analog	RS-232 PC	True	Size	Jameco	Pricing	
Part No.	Product No.	Count	Functions	(max DC)	Ranges (V)	Ranges (V)	Ranges (A)	Ranges (A)	Ranges (Ω)	Ranges (F)	Ranges (H)		Ranges (Hz)	°C	°F	Test	Test	Test	h _{FE} Test	Autorange	Bargraph	Interface	RMS	(H"xW"xD")	Part No.	1	5
645618	Extech MN35	2000	5	100μV	200m - 600	200 - 600	200m - 10	_	200 - 20M	_	_		_	-20 to 750	-40 to 1400	~		~						5.4 x 2.8 x 1.5	645618	\$18.99 \$1	18.05
220812	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	_	2k - 2M	_			_	_	_	~		~						4.7 x 2.7 x 0.8	220812	9.79	8.85
355207	Velleman DVM850BL ☉	2000	6	100μV	200m - 100	200 - 600	200µ - 10	_	200 - 2M	_	_	\leftarrow	_	_	_	~		~	~					5.4 x 2.7 x 1.2	355207	16.75	15.92
119212	Jameco JE110	2000	6	100μV	200m - 1000	200 - 750	200µ - 10	_	200 - 2M	_	_		_	_	_	~			~					4.8 x 2.6 x 1.0	119212	19.95	17.90
318781	BenchPro BP-1562	2000	6	100μV	200m - 600	200 - 750	200µ - 10	_	200 - 2M	_	_		_	_	_	~			~					5.4 x 2.7 x 1.2	318781	9.95	9.45
220759	Mastech MAS830L	2000	7	100μV	200m - 600	200 - 600	200μ - 10	_	200 - 2M	_	_		_	_	_	~		~	~					5.7 x 3.0 x 1.4	220759	13.95	13.24
220741	Mastech MAS838	2000	8	100μV	200m - 600	200 - 600	2m - 10	_	200 - 2M	_	_		_	-20 to 1000	_	~		~	~					5.7 x 3.0 x 1.4	220741	19.95	15.96
27116	BenchPro BP-1206	2000	8	100μV	200m - 1000	200m - 700	20μ - 10	20μ - 10	200 - 20M	_	_		_	_	_	~		~	~					6.8 x 3.5 x 1.4	27116	31.69	28.85
197958	Extech MV110	2000	8	100μV	200m - 1000	200m - 750	20μ - 10	20μ - 10	200 - 200M	_	_		_	_	_	~		~	~					7.3 x 3.5 x 1.3	197958	36.95	35.19
220775	Mastech MY64	2000	11	100μV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20μ	_	←	2k - 20k	-20 to 1000	_	~		~	~					7.4 x 3.6 x 1.3	220775	38.79	34.91
645571	Velleman DVM890F	2000	11	100μV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20μ	_		_	_	-58 to 1832	~		~	~					6.7 x 3.5 x 1.5	645571	36.95	35.15
182035	Fluke 73-III	3200	9	100μV	320m - 600	320m - 600	320m - 10	320m - 10	320 - 32M		_		_	_	_	~		~		~	V			6.6 x 3.0 x 1.1	182035	189.89 18	80.39
220767	Mastech MY68	3260	12	100μV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	_		32.6k - 150k	_	_	~		~	~	~	~			7.4 x 3.6 x 1.3	220767	35.95	32.36
645626	Extech EX330*	4000	9	100μV	.1m - 1000	.1m - 750	.1μ - 10	.1μ - 10	.1 - 40M	.001n - 200µ	_		.001 - 10M	-50 to 1000	-58 to 1832	~		~		~				5.7 x 2.9 x 1.6	645626	47.45	45.15
1581177	Extech EX430	4000	9	100μV	.1m - 1000	.1m - 750	.1μ - 20	.1μ - 20	.1 - 40M	.1n - 100μ	_		.001 - 10	-20 to 750	-4 to 1382	~		~		~			~	7.4 x 3.2 x 2.0	1581177	79.95	77.95
216514	Metex ME-31	4000	10	100μV	400m - 1000	400m - 750	4m - 20	4m - 20	400 - 4M	_	_		_	_	_	~		V		~	~	~		7.3 x 3.3 x 1.5	216514	56.95	54.15
692502	Extech DM110	4000	10	100μV	0 - 500	0 - 500	040	040	400 - 40M	0 - 200μ	_		9 - 10M	_	_	~		~						4.3 x 2.2 x 0.5	692502	27.99	26.59
211650	Extech MN26	4000	11	100μV	400m - 600	400m - 600	400μ - 10	400μ - 10	400 - 40M	4n - 200μ	_	←	10 - 10M	0 to 760	0 to 1400	~		V		V				4.8 x 2.4 x 1.6	211650	39.95	37.95
117373	BenchPro BP-1949	4000	11	100μV	400m - 400	4 - 400	400μ - 10	400μ - 10	400 - 4M	50n - 100μ	_		5 - 50k	-20 to 1000	_	~		V		~		~		7.7 x 3.6 x 1.6	117373	89.95	71.90
137462	BenchPro BP-1737	4000	11	100μV	400m - 400	4 - 400	400μ - 10	400µ - 10	400 - 4M	50n - 100μ	_		5 - 50k	-20 to 1000	_	~		V		~		~	~	7.7 x 3.6 x 1.6	137462	119.95	89.96
215589	Metex M3890D	4000	15	100μV	400m - 1000	4 - 750	400µ - 20	400µ - 20	400 - 40M	4n - 200μ	_		4k - 4M	-40 to 1200	-40 to 2192	V	V	~	~	~	V	~		7.8 x 3.5 x 1.7	215589	99.95	
* with non-con	tact voltage detector (100-600)	VAC range)			Part No. = Limited	Ouantity Available							I.	<u> </u>	1					1		1		1	1		

PLUKE

Fluke 73-III

• 3200 count

9 functions

DMMs continued on pages 274-275.

EXTECH

- 12 functions
- Autorange/frequency Autorange Analog bargraph



P/N 182035 \$189.89

272





P/N 220767 \$35.95

Extech EX330*

- 4000 count
- 9 functions
- Non-contact AC voltage detector



P/N 645626

EXTECH

Extech EX430 • 4000 count

• True RMS Auto ranging



P/N 1581177 \$79.95

METEX®

Metex ME-31 • 4000 count

- 10 functions/RS232
- Autorange Analog bargraph



P/N 216514 \$56.95

EXTECH

Extech DM110

• 4000 count • 10 functions





EXTECH

- Extech MN26 • 4000 count
- 11 functions



Pocket Sized P/N 211650 \$39.95

JAMECO BenchPro BP-1949

• 4000 count

DMMs continued on pages 274 - 275.

- 12 functions/RS-232 Autorange
- Temp./frequency Temp./frequency



\$89.95

JAMECO BenchPro BP-1737

Autorange

Quantity SAVE

P/N 137462

\$119.95

• 12 functions/RS-232

Metex M3890D • 4000 count

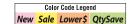
- 4000 count
 - 15 functions/USB Autorange

METEX®



P/N 215589 \$99.95





\$27.99

\$47.45

vellemen

Velleman

DVM205AM

7 functions

Frequency

Temperature

• 10,000 count





P/N 1581185 \$139.95

PLUKE

Fluke 115 • 6000 coun

 Backlid True RMS

Fluke 117

• 6000 count Backlid

 True RMS · Non-contact voltage

NEW

P/N 1537328 \$149.95



P/N 1537336 \$179.95

FLUKE

- Fluke 175 • 6000 count • 12 functions
- Autorange
- Frequency



P/N 192655 \$219.89

PLLKE

Fluke 179

- 6000 count
- 13 functions Autorange
- Temperature Frequency



P/N 185535

\$239.89

• Bright 1/2" LCD

· Compatible with

0.5" digit height

1.9"W x 1.4"H

· Weight: 0.9 lbs.

DATA HOLD

Size: 7.1"L x

P/N 162325, pg 274

Description

Description

Current range: 0 to 50A

Accuracy: 0.8% ±0.2mV

Output ratio: 1mV/1A

Max. current: 100A

Part No.

162309

P/N 645562 \$61.69

Basic Measurement Functions

Mini DC/AC 2000-Count

Clamp Meter/Multimeter

Requires: 9V battery not included (P/N 151095, pg 250)

Includes: Test leads, manual and case Quantity SAVE

50mV/50A Current Shunt

Mini DC/AC clamp meter \$119.95 \$89.96

Current shunt @ \$24.95 \$22.49 \$19.95

MAVETEK Meterman

Wavetek/MM 37XR

- 10,000 count
- 14 functions
- Inductance
- Autorange dB display



P/N 222527 \$129.49

WAVETEK!

Wavetek/MM 38XR

- 10,000 count
- 14 functions/RS232
- Autorange
- Temperature



P/N 222543 \$149.49

JAMECO BenchPro

BP-1415

- · 20,000 count
- 8 functions
- Capacitance





P/N 318764 \$73.49

FLUKE

Fluke 189

Data logging

Temperature

P/N 182043

\$429.89

Frequency

- 50,000 count 13 functions
 - RPM, DBM function
 - Square wave

Protek

Protek 6800

• 80,000 count



P/N 1581214 \$193.95

DMMs continued from pages 272-273

\$139.95 \$135.99 149.95 147.95

179.95 177.95

219.89 208.89

239.89 227.89

193.95 189.95

59.55

122.99

141.99

66.15

416.99

61.69

129.49

149.49

73.49

429.89

Part No.

1581185

1537328

1537336

192655

185535

645562

222527

222543

318764

182043

1581214

DMMs continued from pages 272-273

Jameco Part No.	Product No.		No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperat	ure Range	Diode Test	Logic Test	Continuity Test	Transistor hre Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")
1581185	Extech MP510	5000	7	10µV	50m - 1000	50m - 1000	500µ - 10	500µ - 10	50 - 50M	50n - 9999µ	— —		0.01 - 125k	_		V	1000	V	1112 1001	riatorango	✓ ✓	✓ ×		7.4 x 3.4 x 1.4
1537328	Fluke 115	6000	9	100μV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999µ	_		99.99 - 50k	_	_	V		~			~		~	10.9 x 6.3 x 2.2
1537336	Fluke 117*	6000	9	100µV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999µ	_	←	99.99 - 50k	_	_	~		~			~		~	10.9 x 6.3 x 2.2
192655	Fluke 175	6000	12	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	_		99.99 - 99.99k	-	_	~		~		~	~		~	7.3 x 3.5 x 1.7
185535	Fluke 179 [†]	6000	13	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	_		99.99 - 99.99k	-40 to 400	-40 to 752	~		~		V	~		~	7.3 x 3.5 x 1.7
645562	Velleman DVM205AM	10,000	7	100μV	400m - 100V	400m - 750	400m - 10	400m - 10	400 - 40M	40n - 100µ	_		9.999 - 9.999M	-20 to 760	-4 to 1400	~		~						6.2 x 3.0 x 1.8
222527	Wavetek/MM 37XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	4m - 40		100 - 10M	_	_	~	~	~		~	~		~	7.8 x 3.6 x 2.4
222543	Wavetek/MM 38XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	_		100 - 10M	-20 to 1300	-4 to 2372	~		~		~	~	~	~	7.8 x 3.6 x 2.4
318764	BenchPro BP-1415	20,000	8	10μV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20μ	_	←	20k	_	_	~		~	~				ĺ	7.4 x 3.6 x 1.2
182043	Fluke 189	50,000	13	1μV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50μ	_		500 - 999.99k	-200 to 1350	-328 to 2462	~		~		~	~		~	8.0 x 3.9 x 2.0
1581214	Protek 6800	80,000		1μV	8 - 1000	80m - 750	80m - 10	80m - 10	80 - 80M	1n - 100μ	_		1K - 8M	-50 to 1372	-58 to 2502	~		~			~	~	~	7.5 x 3.5 x 1.5

with non-contact voltage

† with backlight

14834

EXTECH

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display Measures L, C, and R
- with secondary parameter Q, D or R; both are displayed
- Inductance ranges: 2000µH to 10,000H
- Capacitance ranges: 2000pF to 10mF
- Resistance ranges:
- 20Ω to $10M\Omega$
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage · Bidirectional RS-232 port with optional software
- · Max./Min./Avg. recording with auto power off Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz Dissipation Factor (D) reading: 0 to 0.9999
- · Quality (Q) reading: 0 to 9999 • Size: 3.6"W x 2.1"D x 7.6"H
- · Weight: 0.8 lbs.

274

Includes: Test leads, alligator clips, 9V battery & holster

Part No. 198678 189238	Description LCR Meter 9VDC @ 300mA adapter		10 \$160.95 4.31	3-in-1 Lab Center		Digital Multimete and Solderin	er, Regulated F g Station. <i>See</i>
	PoliC compliant ma	d	. ما فمرياسمس ماط	Dall C and non Dall C		aumahan fan DallCusasian	Dataila an nama 1
	RoHS compliant pro	auct 🐨 Ir	nis product is a	available in both RoHS and non-RoHS	versions. Add an "R" before part i	number for ROHS version.	Details on page 1.

15A AC Line Separator for **AC Current Clamp Meters**

- Max. overload: 250VAC @ 15A X1 and X10 clamp areas
- Socket compatible with US & European connectors
- Convenient 0.1" dia. tip test points for neutral/earth/line

Part No.	Description	1	10	25
	<u> </u>			
162325	3-prong US-type plug	. \$9.99	\$8.99	\$8.09

High Voltage AC/DC Test Probe

- Maximum voltages: DC: 40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC: ±1.5%, AC: ±5% • $10M\Omega$ meter input
- impedance required Input/output impedance: $1.000M\Omega/1.1M\Omega$
- Cable length: 39" Probe length: 14" Wt: 0.8 lbs.

Part No.	Description 1	10
132290	High volt. test probe \$79.95	\$65.48

3-in-1

Lower \$\$\$

Digital Multimeter, Regulated Power Supply, and Soldering Station. See page 296.

Convenient On-Line Ordering www.Jameco.com

IAMECO

Don't Get Caught without One!

DMM's are so inexpensive today that we should never be caught without one. While many of us generally need a highly-accurate, full-function multimeter for some testing, often a basic low-cost device will get the job done.

In lab situations, I find that having a DMM dedicated to each work area is most effective. A few associates reduce pilfering by assigning locked tool cabinets to each lab and lead. Others use holsters to keep secondary devices with them at all times.

Whatever works best for your situation, just be sure to equip your team and yourself for maximum efficiency. It's a small cost for a relatively reasonable productivity gain.

> **Practical Practices** Money Saving Tips for the Engineer

EXTECH

Test Functions

400A AC/DC Clamp Meter/Multimeter • 0.9" (23mm) jaw size

Overload protection

• Size: 7.9"L x 2.0"W x 1.4"D

4000 count LCD display

- Auto ranging with auto power-off
- Continuity beeper and diode test
- Over range and low battery indicators
- One touch "Auto Zero"
- Data hold freezes current reading on display
 Basic current accuracy: AC: ±3.0%; DC: ±2.5%

Special Functions

- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- AC/DC current ranges: 40A-400A; 0.01A max. res.
- Capacitance ranges: 40nF–1000µF; 0.01nF max. res. DC/AC volt. ranges: 400mV-600V; 0.1mV max. res.
- Resistance: 400Ω – $40M\Omega$; 0.1Ω resolution
- Duty cycle: 0.5%-0.99%; 0.1% max. res.
- Frequency ranges: 5Hz-150kHz; 0.001Hz max. res. • Temperature ranges: -58° to +1830°F (-50° to +1000°C); 1° max. resolution

Includes: Test leads, case, and 2 AAA batteries

Product No. Description Part No. 374070 400A AC/DC current clamp meter/multimeter

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242



\$83.69



\$78.67

vellemen

vellemen

355207

(DVM850)

can be purchased

separately, pg 272

Free

DMM!

EXTECH

Automotive Digital Multimeter

- RPM (2/4/5/6/8 cylinder) range: 0 - 10,000RPMs
- Dwell angle: 0-180° Temperature ranges:
- -20°C to +760°C (-4°F to 1400°F)
- · Large 4-digit backlight LCD display (1" character height)
- Resolution: 100µV max.
- DC voltage ranges: 400mV to 100V
- · AC voltage ranges: 400mV to 750V
- DC / AC current ranges: 400µA to 10A
- Resistance ranges: 400Ω to 40MΩ
- Capacitance ranges: 40nF to 100µF • Frequency ranges: 9.999Hz to 9.999MHz
- Auto/Manual selection range
- Diode and continuity tests · Auto power off
- Data hold + relative function
 Overload protection
- Size: 6.2"H x 3.0"W x 1.8"D Weight: 1.3 lbs.

Includes: Manual, 9V battery, test/temp. probes

Part No.	Product No.	1	10	25
645562	DVM205AM	\$61.69	\$59.55	\$56.59

2000-Count Multimeters

421542

FLLIKE.

- · Resolution: 100µV maximum
- DC voltage ranges: 200mV - 1000V
- · Size: 7.5"W x 9.6"D x 2.5"H
- · Weight: 2.6 lbs.

160830: 3 1/2-Digit

- · DC/AC current ranges: $20\mu A - 10A$
- AC voltage ranges: 200mV 700V • Resistance ranges: $200\Omega - 20M\Omega$
- Conductance ranges: 2µS 200nS

203801: 3 1/2-Digit

- DC/AC current ranges: 20µA 2A
- AC voltage ranges: 200mV 700V
- Resistance ranges: $200\Omega 20M\Omega$ • Conductance ranges: 2µS – 200nS

421542: 3 1/2-Digit

- DC/AC current ranges: 200µA 2A
- AC voltage ranges: 200mV 750V
- Resistance ranges: $200\Omega 20M\Omega$ Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz 50kHz
- Refurbished = Backed by Jameco

Part No.	Product No.	Price
160830	8010A.	\$199.95
203801	8012A.	199.95
421542	8050A.	219.95

Detailed specifications for Oscilloscopes at www.Jameco.com/OScopes

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs.

Please send your requests to

NewProducts@Jameco.com

4000-Count True-RMS Benchtop Multimeter with RS-232

- · 9 functions, 32 ranges 3³/₄-digit backlit
- LCD display with bargraph
- Auto/manual ranging · True RMS AC
- volts and amps Resolution: 100µV maximum
- DC voltage ranges:
- 400mV 1000V (0.3% accuracy)
- AC voltage ranges: 4V 750V • DC/AC current ranges: 4mA - 10A
- Resistance ranges: 400Ω 40MΩ
- Capacitance ranges: 4nF 40µF
- Frequency ranges: 100Hz 600kHz
- Diode and continuity test · Delay hold mode · Min., max., and relative hold function
- · Input voltage: 9V battery or 90-132VAC/
- 198-264VAC @ 50-60Hz · Weight: 3.3 lbs. Size: 9.0"W x 9.4"D x 3.3"H Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable and software (Windows® 98/ME/2000/XP compatible)

Part No.	Product No. 1	5
230586	B940\$ 148.95	\$141.55

20,000-Count True-RMS **Benchtop Multimeter**

- 41/2-digit green LCD DC accuracy: 0.05%
- Full overload protection
- Resolution: 10µV max.
- DC voltage ranges: 200mV 1000V
- AC voltage ranges: 200mV - 750V
 - DC/AC current ranges: 2mA 10A
- Resistance ranges: 200Ω 20MΩ · Frequency measurement up to 200kHz
- Continuity check with beeper
- Data hold, diode check, transistor h_{FF} measurement

Part No.	Product No. 1	10	25
132564	DM441 \$269.95	\$256.49	\$243.49

20,000-Count Benchtop Multimeter w/ RS-232, Analog Bar & 4 Displays

- · Automatic polarity indicator
- 1-2 readings/second
- DC accuracy:
- 0.1% +5 digits
- 10 reading storage and compare
- Resolution: 10µV max.
- DC voltage ranges:
- 200mV 1000V
- DC/AC current ranges: 2mA 20A
- Resistance ranges: $200\Omega 20M\Omega$

- Size: 11.2"L x 8.2"W x 3.2"H · Weight: 7.5 lbs. Includes: Manual, power cable, probes and software

Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	10
166952	MXD4660A&	\$254.35	\$242.25

Handheld 2MHz Digital Oscilloscope with 3½-Digit Multimeter

- · 10MHz for repetitive signals; 2MHz for single shot events
- Input impedance: $1M\Omega/20pF$
- Max. input voltage: 100V peak (AC + DC)
- Input coupling: DC, AC, and GND (GND for auto zero reference)
- LCD graphics display: 64 x 128 pixels
- Vertical resolution: 8-bit
- · Timebase range: 0.2µs to 1 hr./div
- · Input sensitivity: 5mV to 20V/div
- Linearity: ±1 bit
- Screen hold
- Trigger mode: run, normal, once, and ± slope
- True RMS and dB measurements
- · High contrast 3.3" diagonal LCD display
- Recommend 9VDC @ 300mA power supply (133891, pg 241)
- Weight: 1.0 lb.
- · Batteries not included

Includes: DVM850 multimeter (below) and insulated BNC-to-alligator clip measurement probes

6-Function Multimeter:

- 3½ digit w/ backlight, 2000 count Data hold function
- DC voltage ranges: 200mV to 100V
- AC voltage ranges: 200/600
- DC current ranges: 200µA to 10A Resistance ranges: 200Ω to 2MΩ
- · Diode, transistor and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H



Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode:
- single shot, roll, normal
- Vertical sensitivity: 50mV max.
 Input volt.: 600VDC or
- AĊ RMS max.
- Trigger modes: auto, normal, single Trigger source:
- channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1uS to 5S
- Input impedance: 1MΩ Sampling time: 25MS/s dual channel;
- 50MS/s single channel 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring
- waveforms and data · Resolution: 100uV max.
- · DC voltage ranges: 0.001V to 1000V AC (TRMS) voltage ranges: 0.001V to 750V
- Resistance ranges: 1Ω to 5MΩ
- Frequency ranges: 0.01Hz to 10MHz
- RPM ranges: 240 to 60,000 RPMS

 Size: 3.5"W x 1.8"D x 7.7"H Includes: Test leads, alligator clips, Ni-MH battery pack, AC adaptor/charger, RS-232 cable, holster, and carrying case

Part No.	Product No.	1	
645651	381295	. \$427.49	\$406.1











Protek



• Size: 9.9"L x 9.8"W x 3.6"H available

 One-yea 	r manufacturer	s warranty	 Weight 	: 6.1 lbs.
Part No.	Product No.	1	10	25
12254/	DM441	\$260.05	\$254.40	\$242.40











AC voltage ranges: 200mV - 750V

Frequency ranges: 20kHz – 20MHz

· Min., max., average, relative functions Logic, diode, transistor h_{FE} and continuity test



2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.

 High contrast LCD display with backlight, 128 x 64 pixels

 Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)



vellemen

· Maximum input amplifier bandwidth: 2MHz

 Input impedance: 1MΩ/20pF Maximum input voltage: 100Vpeak (AC+DC); 200Vp-p (AC only)

· Input coupling: DC, AC, and GROUND

· Vertical resolution: 8-bit

· Trigger modes: Run, normal, roll mode for 1s/div and slower time base

· Signal storage: 256 samples max., 125 samples visible

Totally Unique dBm measurement: - 73dB to 40dB dBV measurement: -75dB to 38dB*

True RMS measurement: 0.1mV to 80V*

Peak to peak AC range: 0.1mV to 160V*

Timebase ranges in 32 steps: 0.2µS to 1 hour/division

 Input sensitivity ranges in 12 steps: 5mV to 20V/ division @ x1; 50mV to 200V/division @ x10

Input voltage: 6VAC or 9VDC@300mA

• Size: 6.5"W x 3.5"H x 1.4"D · Weight: 1.0 lb.

Part No.	Product No.	1	5
645280	VPS10\$189.9	9	\$184.99

*Increased performance with x10 probe

Handheld 5MHz Oscilloscope with 4000-Count Digital Multimeter

- 128 x 128 pixel graphic STN LCDE/L backlight
- PC interface via RS-232
- · Memory and recall for 4 values
- · Temperature measurement

Oscilloscope:

- · DC-5MHz bandwidth; 20MS/sec. sampling rate; single channel
- Vertical axis: 3 steps
- (±0.5/5/50 volts) with 4 divisions · Horizontal axis: 16 steps (800ns/ div to 26.2ms/div) in 8 divisions
- · Trigger: auto and internal mode, slope and 5 trigger level selectable
- Text display for peak to peak, min./max. voltage and frequency

Digital Multimeter:

- 3³/₄-digit with 43 segment bargraph
- · Auto ranging; triple display for related reading; data and range hold; auto/min/max hold and relative offset

221962

METEX

- DC voltage ranges: 400mV 1000V
- AC voltage ranges: 4V 750V
- DC/AC current ranges: 400µA 400mA
- Resistance ranges: 400Ω 40MΩ
- Frequency ranges: 4kHz 4MHz
- Temperature ranges: -40°C +1200°C
- Capacitance ranges: 4nF 400µF
- Diode and continuity
- Size: 3.4"W x 1.5"D x 8.0"H
- · Weight: 3.9 lbs.

Includes: Manual, power adapter and test leads

Part No.	Description	1	5	
221962	MS-1280	\$329.95	\$313.49	
221938	RS-232 cable & software	19.95	14.96	
221946	Scope probe	24.95	23.69	

Handheld 12MHz Digital Oscilloscope w/ 3½-Digit DMM

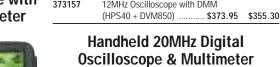
- 40MS/s for repetitive signals (10MS/s for single shot events) Input impedance: $1M\Omega/20pF$
- Maximum input voltage: 100Vpeak (AC+DC), 200V peak-peak (AC only)
- Input coupling: DC, AC and GND
- LCD graphics display: 112 x 92 pixels velemen
- Vertical resolution:
- 8-bit ±1-bit linearity
 Timebase range: 32 steps; 50ns to 1hr./div
- · Input sensitivity range: 12 steps; 5mV to 20V/div
- True RMS and dB measurements
- Trigger mode: run, normal, once, and roll modes
- High contrast LCD display
- Recommend 9VDC @ 300mA wall adapter (P/N 133891, pg 241) Batteries not included (recommend
- 1.5V, AA, Zinc Chloride battery)
- Size: 8.0"H x 4.1"W x 1.4"D

Weight: 1.0 lb.

Includes: DVM850 DMM & probes Multimeter:

- · 6-functions · Data hold function · 31/2-digit w/ backlight, 2000 count
- DC voltage ranges: 200mV to 100V AC voltage ranges: 200/600V
- DC current ranges: 200µA to 10A • Resistance ranges: 200Ω to $2M\Omega$
- · Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

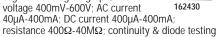




 4-in-1: digital oscilloscope, DMM, frequency counter & logic analyzer

- Oscilloscope: 2-channel input, 5mV-2V/div; DC-20MHz(-3dB); 50ns - 0.5µs/div; 20 MS/s sampling rate
- Logic analyzer: 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width

Digital multimeter: 3%-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current



- Frequency counter: 5Hz-20MHz; 5 digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35Vrms/42V-P/60VDC max. input
- Oscilloscope probes: Use P/N 22892 or 216047, pg 278
- Battery required for portable use (see below)
- Size: 10.0"L x 5.0"W x 2.0"H
- Weight: 9.2 lbs. One-year warranty

Includes: Manual, 5VDC @ 3A power supply, power cord, DMM test leads, holster and case Blue Part No. = Limited Quantity Available

Part No.	Description	1	5
162430	20MHz digital scope	\$799.95	\$764.95
162974	Logic probe O	59.95	53.95
163141	Rechargeable battery	45.95	41.49
162966	RS-232 cable & software	26.95	24.25
221946	Scope probe	24.95	23.69

2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz are giving this unit all the power you need. vallamen



- · Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
 Input range: 5mV to 2V/division

- Real time sampling frequency: 1.25kHz to 50MHz
 Sampling frequency for repetitive signals: 1GHz
- Spectrum analyzer:
- Frequency range: 1.2kHz to 25MHz
- · FFT resolution: 2048 lines
- · FFT input channel: CH1 or CH2

Transient recorder:

355207

(DVM850)

can be purchased separately, pg 272

> Free DMM!

- · Timescale: 20ms/Div to 2000s/Div
- · Max record time: 9.4 hour/screen
- · Max. number of samples: 100/s
- Min. number of samples: 1 sample/20s

System requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable, CD software, and manual

Part No.	Description	1	5
695017	PCSU1000	\$443.79	\$399.41

Wire Tracer/Tone Generator Kit

- Typical applications: identifies wire pairs, trace LAN and telephone cables, check continuity, test telephone polarity, F type connector for testing 75Ω coaxial video cables
- Transmitter with output cables terminated in modular RJ11 and RJ45 phone connectors
- Injects traceable signal into cables, checks telephone lines, and performs continuity checks
- Non-contact probe audibly
- identifies selected wire or cable Traces wires from source to termination
- · Adjustable sensitivity control improves wire identification and eliminates false detection
- Size: Probe 5.8"L x 1.1"W x 1.1"D; Generator - 4.1"L x 2.6"W x 0.9"D

Includes: tone probe and tone generator with RJ11 and RJ45 connectors, adaptor with F type coaxial connector, alligator clips, 4 LR44 batteries, 9V battery and carrying case

Part No.	Product No.	Price
692511	TG30	\$48.99

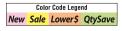
30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.



RoHS Compliant Product RoHS Also Available





EZ DIGITAL

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

· Sampling frequency: 1.25kHz-50MHz real-time;

1GHz repetitive

· Input impedance: $1M\Omega/30pF$

Parallel Port Interface

· Inputs: 2 channels, 1 external trigger input

 Max. input voltage: 100V (AC and DC) Power required: 9V to 10V @ 1000mA (recommend P/N 364576, pg 241)

Oscilloscope:

• Time base: 20ns-100ms per division

 Input sensitivity: 5mV-15V per division with auto step-function

· Recording length: 4096 samples per channel Spectrum Analyzer:

· Frequency range: 0 to 25MHz

Transient Recorder:

· Time scale: 20ms/div-2000s/div

· Max. recording time: 9.4 hours/screen

· Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 test leads, PC parallel cable, manual and CD-ROM software

Part No.	Product No.	1	5
200184	PCS500AU	\$478.95	\$429.95

150MHz 2-Channel Digital Oscilloscopes

229366

Color and Monochrome with RS-232/USB/ Parallel Interfaces

· Bandwidth (-3dB): 150MHz

INSTEK

 15 memory settings Real-time sample

rate: 100MS/s maximum on each channel; equivalent: 25GS/s

· 2 channels with 8-bit vertical resolution · Record length 125k/CH

· Auto set vertical, horizontal, and trigger level

 Vertical sensitivity: 2mV/div – 5V/div Time base range: 1ns/div - 10s/div

Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz - 150MHz: 1.5div or 10mV

Input voltage: 100-240VAC @ 50-60Hz

 Frequency counter: 6 digits ±50ppm; AC coupled, 10Hz - 150MHz

• Size: 12.2"W x 10.0"D x 5.6"H • Weight: 9.3 lbs.

Two-year warranty

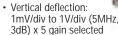
229358: Monoch. w/ RS-232/USB/parallel interface 229366: Color with RS-232/USB/parallel interface

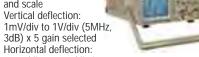
Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358	GDS-820S\$	1,259.95	\$1,196.95
229366	GDS-820C	1,439.95	1,367.95

20MHz 2-Channel Analog Oscilloscope

 6" rectangular screen with internal graticule and scale





0.1µs/div to 2.0s/div in 1-2-5 sequence, 23 steps

Max. input voltage: 400V (DC + AC peak)

Input voltage: 115/230VAC w/ line voltage selector

ADD function measures sum of two signals

 Size: 12.8"W x 15.7"D x 5.2"H
 Weight: 16.8 lbs. Includes: Two (X1/X10) test probes, power cord & manual

Part No.	Product No. 1	5
685311	SK0200\$399.95	\$379.95

40MHz Multifunction Oscilloscope with Built-In 5MHz **Function Generator**

Oscilloscope:

· 6" rect. high res CRT

 Max signal input volt.: 400V (DC and AC peak)

 Input voltage: 100/120/ 220/240VAC @ 50-60Hz • Size: 15.7"L x 12.8"W x 5.2"H

· Weight: 26 lbs.

Two-year manufacture warranty
 A lost ruments in 1



• Frequency range: 0.5Hz to 5MHz (6 ranges)

Output waveforms: sine, triangle, square

Output impedance: 50Ω

Output volt.: 20Vp-p (no load), 10Vp-p (w/50Ω load)

Part No.	Product No.	1	10
1536886	SKO404	\$529.95	\$499.95

Modular Oscilloscope Probes



· Hook and pointed probes

216047/236777: with IC test ground cover and spring ground contact

· Maximum input voltage: 600V Alligator clip ground wire
 BNC male connector

	Bandwidth (±3dB)		Impedar	nce (R/C)*	
	Attenuation Attenuati		Attenuation		uation
Part No.	х1	x10	х1	x10	
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF	
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF	
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF	

* with 20pF oscilloscope input

Part No.	Cross Ref. No. 1	10	50
22892	LF101E ₹ \$24.95	\$22.46	\$20.21
216047	HF-9100 34.95	29.95	26.95
236777	HP-9250 45.95	43.39	37.25

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

100MHz 2-Channel Analog Oscilloscope

· 2-channel dual trace

· Auto focusing according to intensity Delay line

Weight: 22.8 lbs.

Two-year warranty
Size: 16.9"L x 12.6"W x 5.5"H

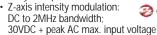
 EZ DIGITAL Two (X1/X10) 100MHz probes, power cord, and operations manual

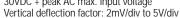
Part No.	Product No.	1	5
121179	OS5100 \$9	99.95	\$964.95

100MHz Delayed Sweep Analog Oscilloscope w/ Frequency Counter

2 Channel, 4 Trace

- · DC to 100MHz bandwidth
- · 6" rectangular CRT with internal graticule
- Auto set, readout cursor, delay sweep, hold-off functions





· Horizontal time base A/B deflection: 5ns/div to 0.5s/div in 22 calibrated steps

Input coupling: AC, GND, DC

Rise time: 3.5ns or less
 Weight: 17.6 lbs.

Includes: Two X1/X10 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
190932	OS5100RB	\$1,199.95	\$1,139.95

20MHz Dual Trace **Protek** Oscilloscope with Alt-Mag

• 3.15" x 3.94" CRT with internal graticule and scale

Vertical amplifier: 5m/DIV to 5V/DIV in 10 steps (1-2-5 sequence)

Horizontal sweep: 200ns/ Div to 0.5s/Div in 20 steps (1-2-5 sequence)

External trigger input: impedance – $1M\Omega \pm 5\% +$ 20pF capacitance; maximum input voltage - 160V (DC or AC peak) • Size: 12.5"W x 15.75"D x 5.1"H

· Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p · Weight: 16 lbs.

Input voltage: 120VAC or 220VAC @ 50/60Hz

PROTEK 6020\$425.99 \$419.99 \$399.99 1536801

30MHz Dual Trace Protek Oscilloscope w/ LCR **Component Tester**

• 3.15" x 3.94" CRT with graticule and scale

Vertical amplifier: 5mV/DIV to 20V/DIV in 12 steps (1-2-5 sequence)

Horizontal sweep: 100ns/DIV to 0.2s/DIV in 20 steps (1-2-5 sequence)

Triggering: external trigger input – $1M\Omega \pm 5\%$ impedance; maximum input voltage – 4-p)

 Input voltage: 120VAC or 220VAC @ 50/60Hz Size: 12.2"W x 16.45"D x 5.1"H
 Weight: 14.3 lbs.

Part No. Product No. 1 1536819 PROTEK 6030...... \$463.05 \$453.99 \$446.99

Details on page 1





· Weight: 5.3 lbs.

\$417.25

18.95

Protek 3GHz Universal Counter

times of 0.01s to 10s in 4 decades; input B DC

of 0.0128s, 0.128s, 1.28s, and 12.8s Input voltage: 100/120/220/240V @ 50-60Hz

coupled 0.1Hz to 10MHz, AC coupled 10Hz to 100MHz; Freq C 100MHz to 3GHz with gate times

PP80 (scope probes) 19.95

1.5GHz Frequency Counter

High accuracy frequency

measurements up to 3GHz

Measures frequency, time

interval, ratio, and totalize

Large bright 8-digit LED

diplay with gate time and function indicators

Power consumption: 20W

1581193

2 Channels

· Input voltage:

115/230VAC @

Gate time: 0.01s,

0.1s, 1s, 10s

50-60Hz (switchable)

9-digit green LED display

Size: 10.0"W x 11.0"D x 4.0"H

Product No.

• Frequency, period, totalize, RPM • Weight: 5.3 lbs. • Size: 10.3"L x 10.0"W x 3.2"H • One-year warranty

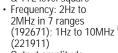
Includes: Fuse, manual and BNC cable Part No

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55790	FC-7150	\$284.95	\$259.95

2MHz & 10MHz Sweep Function **Generators w/ Frequency Counter METEX**®

Function Generator · Wave forms: sine, square, triangle,

skewed, ramp, pulse & TTL level square Frequency: 2Hz to



Output amplitude:

2 to 20Vpp at open load; 1 to 10Vpp at 50Ω load Output impedance: $50\Omega \pm 10\%$

• Offset variable range (max.): ±10VDC at open load

Frequency sweep time: 20ms to 2s

Frequency Counter

· Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz

· Input sensitivity: channel A: 20mVRMS sine wave or 100mVp-p; channel B: 40mVRMS for 20MHz to 1.3GHz: 70mVrms for 1.3GHz to 2.7GHz

Maximum input voltage: channel A: 35Vp-p; channel B: 3Vp-p

• Input impedance: channel A, $1M\Omega$; channel B, 50Ω

· Data logging and graphic software

• Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs. Includes: Coax and power cable, manual,

serial cable and software Part No. Description

192671 2MHz/2.7GHz \$319.95 \$264.09 221911 10MHz/2.7GHz 417.95 403.34

Details on page 1.

150MHz Modular Oscilloscope Probe

RoHS Compliant Product RoHS Also Available



welleman



Rise	Rise Time Bandwidth (±3dB) Impedance (R/C)		nce (R/C)		
Atter	nuation	Attenuation		Attenuation	
х1	x10	х1	x10	х1	x10
35ns	2.33ns	10MHz	150MHz	1MΩ/46pF	10MΩ/11pF

Part No.	Product No.	1	10	50
645589	PROBE150	\$39.95	\$37.95	\$35.95

CScilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.



 Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)

Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)

· Low-resistance gold contacts

· Čord length: 5' 174473: 7-piece kit

212257: 25-piece kit



174473

	. 212237		
Part No.	Product No. 1	10	
174473	4901-02 (150MHz)\$49.95	\$44.99	
212257	4915A (250MHz) 149.95	142.49	

Pomona 100MHz Probe Set

· Complete accessory kit included

· Attenuation: x1/x10

Bandwidth: 15/100MHz (-3dB)
Rise time: 23.33/3.5ns

Input resistance: 1/10MΩ

Capacitance: 64/10.5pF

 Compensation range: 10~60pF 48" cable

Part No. Product No. Description 10 156451 Probe kit \$49.49

17MHz Logic Probe

- · Max input freq.: 17MHz
- · Minimum pulse width: 30ns
- Pulse flash time: 500ms
- · Audible tones for high and low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = $0.8V \pm 0.2V$, Hi = $2.3V \pm 0.2V$
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
149930	Logic probe	\$29.95	\$26.99	\$24.29

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.

Logic Pulser

Probes, Logic Analyzer & Function Generators

- Compatible with TTL, DTL and CMOS ICs
- -1MΩ sync input impedance
- "One shot" or continuous 5Hz pulse train
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- Size: 7.8"L x 1.0"W x 0.6"H

Part No.	Description 1	10	25
24601	Logic pulser \$21.95	\$19.76	\$17.78

100MHz Logic Analyzer **USB** Interface

DigiViewTM is a new 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.





- · USB interface and power source for portability
- Real time hardware compression Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
 Captures up to 5 minutes of data @ 10ns resolution

Capture	is up to a minutes of data @ Tons te	Solution
Part No.	Description 1	5
256866	USB logic analyzer \$498.95	\$474.09
256874	Cable replacement ⊕ 29.95	24.80
256882	Grabber clip set (10) ⊕ 29.95	28.49

METEX[®] 4-in-1 Universal System

With Function Generator, Universal Counter, DC Power Supply & Digital Multimeter

 Function generator capable of generating seven forms of waves (sine, square, triangle, skewed sine, ramp, pulse, and TTL square wave) in seven frequency ranges from 0.2Hz to 2MHz



Less Bench Space -**Great Convenience**

- · Universal counter capable of measuring frequency ranges from 5Hz to 1.3GHz
- · DC power supply capable of generating 5V @ 2A, 15V @ 1A fixed and 0 to 30V @ 0 to 2A variable
- · Digital multimeter with ranges of: DC voltage (400mV to 100V), AC voltage (400mV to 750V) DC/AC current (40mA to 20A), resistance (400 Ω to 40MΩ), capacitance (4nF to 400μF) and forward resistance of a semiconductor junction in $k\Omega$
- Size: 14.5"W x 14.0"D x 7.0"H
- · Weight: 37 lbs. · One-year warranty

Includes: Manual, cables and software

Part No.	Product No. 1	5
160864	MS9150 \$564.95	\$514.95

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS compliant product

Order 24/7 Toll Free 1-800-831-4242

Color Code Legend New Sale Lower\$ QtySave

RF Signal Generator

- Frequency accuracy: ±3%
- RF output: 100mVrms (up to 35MHz)
- · Output control: high-low switch,
- fine adjustment Modulation: internal - 1kHz;
- external 50Hz to 20kHz at less than 1Vrms
- · Audio output: 1kHz min., 1Vrms (fixed) Input port for 1MHz to 15MHz crystal in type HC6/u holder (crystal not included)
- Power requirements: 110V
- Size: 5.9"H x 9.8"W x 5.1"D · Weight: 7.2 lbs.

Part No.	Product No.	Price
684431	SG-4160B	\$219.95

2MHz & 3MHz Function **Generators w/ Frequency Counter**

229251

i∩STEK

229260

Function Generator

- · Wave forms: sine, triangle, square, TTL, and CMOS output; 229260 has ramp
- Frequency ranges: 229251: 0.2Hz -2MHz in 7 ranges; 229260: 0.3Hz -3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- · DC offset range: <-5V to >+5V into 50Ω load
- · Voltage controlled frequency function
- Variable DC offset control
- **Frequency Counter**
- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs.
 Two-year warranty
- 229251: 4-digit LCD display
- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz Size: 9.1"W x 11.0"D x 3.7"H 229260: • 6-digit LCD display
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution
- of 10nHz to 0.1Hz Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251	GFG-8020H	2MHz	\$259.95	\$246.95
229260	GFG-8216A	3MHz	. 279.95	251.99

3MHz Function Generator with **Positive and Negative Pulses**

- 6 waveforms: sine. square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for
- waveforms and frequency ranges Frequency range: 0.5Hz to 3MHz
- in 6 ranges via rotary switch • Size: 10.5"W x 11.2"D x 3.9"H • Weight: 6.6 lbs.

Part No.	Product No. 1	5
685329	SK3000\$209.79	\$199.35

3MHz Function Generator

- · Square, triangle, and sine waves; TTL and CMOS pulse outputs
- Frequency: 0.3Hz to 3MHz in 7 ranges
- CMOS output level: 4Vpp, ±1Vpp to 14.5Vpp; ±0.5Vpp adjustable
- Output impedance: 50Ω ±10%
- DC offset: <-5V to >+5V into 50Ω load
- · Variable controlled frequency input
- · Variable DC offset control
- Signal polarity invert button · Weight: 4.4 lbs.
- Size: 9.6"W x 11.5"D x 3.7"H Duty cycle control

Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5
222594	FG2C ⊙	\$239.95	\$234.95

5MHz Function Generator

- · Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz · 100% DC offset
- · Variable duty cycle
- Output impedance: 50Ω
- · Coarse and fine tuning
- Two-year warranty
- Size: 10.4"W x 11.7"D x 3.4"H
- · Weight: 6.2 lbs.

Part No.	Prod. No.	Description	1	5
160469	BK4011A	0.5 to 5MHz	\$314.95	\$312.45

(LASCAR

30-Watt Digital **Benchtop Power Supply**

IN BK PRECISION

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- · Input voltage: 85-264VAC @ 47-63Hz
- · Output terminals
- · Large digit backlit display · A fixed current output
- · Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H · Weight: 1.2 lbs.

Part No.	Product No.	1	10
301971	PSU130⊕	\$79.95	\$75.95

30 & 54-Watt Digital **Benchtop Power Supplies**

EXTECH

645600

- · Single output
- · Adjustable voltage output: 645600=0-30V; 681221=0-18V
- Adjustable current output: 645600=0-1A; 681221=0-3A
- · Max. display resolution: 0.1V/10mA
- Color coded banana plug output jacks

681221

- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D
- Weight: 645600: 4.4 lbs.; 681221: 6.6 lbs. Part No. Product No. 645600

Detailed specifications for Function Generators www.Jameco.com/Prod/FunctionGen

382202 (54W) 123.49



90-Watt Digital DC **Power Supply**

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution:
- 1% ±1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H

ı	Part No.	Description	1	5
l	489184	DRP-303D	\$189.95	\$179.95



BECLUSING

30VDC @ 5A

- Adjustable voltage/ current outputs
- 2A @ 250V fuse
- · Constant voltage and current operation
- Dual digital display
- · LCD displays for both current and voltage
- Coarse/fine adjustment knobs for current and voltage Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Color-coded terminals for positive, negative and ground connections • Size: 5.4"W x 10.7"D x 6.0"H
- · One-year warranty Weight: 13.8 lbs.

Part No.	Description	1	10	25
153243	30VDC @ 5A ≉	\$234.95	\$211.49	\$190.35

200W Programmable Switching **Power Supplies with PC Interface**

- Voltage regulation: 10mV load; ≤0.05% line
- Current regulation: ≤5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV_{RMS}; ≤10mA_{RMS}
- Over-voltage/over-current/
- over-power/over-temperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs. Two-year warranty

Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323	PSP-2010	0-20V @ 0-10A	\$349.95	\$332.45
229294	PSP-603	0-60V @ 0-3.5A	349.95	262.46

100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

- · Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 30V voltage and 0 - 3A
- current outputs
- · Displays of both voltage and current · Constant voltage or current
- Current limiting indicator
- Overload and short circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable) Size: 9.5"L x 6.0"W x 5.6"H
 Weight: 10.0 lbs.

Part No.	Description	1	10
197991	Digital DC	\$198.95	\$178.95
107092	Analog DC	169 05	151 05

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1. RoHS compliant product

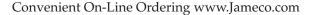


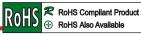
197991

EXTECH



INSTEK

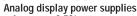






45W to 600W Benchtop Power Supplies

- · Voltage and current adjustable
- · Current restricted and short-circuit protection
- Input voltage: 115/230 ±10% VAC



Accuracy: 2.5%

Digital display power supplies Voltage accuracy: 1% + 2 digits

· Current accuracy: 1.5% + 2 digits









cingic c	atput							
Part No.	Product No.	Displays P	ower (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920	HY1503C ⊕	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	\$99.95	\$94.95
301866	HY3003D ⊕	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	.179.95	134.96
207618	HY3005C ⊕	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	159.95	144.95
207626	HY3010C ⊕	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	299.95	224.96
207693	HY5002 ⊕	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	189.95	142.46
301938	HY3005 ⊕	2-Digital LED	315	0-30/5	10.5 x 6.5 x 14.3	10	199.95	189.95
301911	HY3005D ⊕	2-Digital LCD	150	30/5	5.4 x 6.2 x 11.5	13	224.95	213.70
207706	HY5003 ⊕	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	249.95	187.46
207600	HY5005 ⊕	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	299.95	239.96
207634	HY3010⊕	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	399.95	359.95
207686	HY3020 ₹	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	499.95	449.95

Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211722	HY3002-2 ≉	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$249.95	\$194.00
211705	HY3002D-2⊕	4-Digital LCI	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	269.95	202.46
211692	HY3003D-2⊕	4-Digital LCI	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	289.95	259.95
211730	HY3003-2⊕	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	224.96
211713	HY3003-3⊕	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	. 319.95	287.95
211684	HY3003D-3⊕	4-Digital LCI	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	. 329.95	296.95
301947	HY3005D ₹	4-Digital LCI	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	349.95	332.45
301955	HY3005D-3 ₹	4-Digital LCI	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	369.95	351.45
301962	HY5003-2⊕	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	254.96

150-Watt Power Supply

50VDC @ 3A

- Adjustable voltage/current outputs
- · Constant voltage & current operation
- Input voltage: 110VAC @ 60Hz
- 3A @ 115V fuse
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- One-year warranty

Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
163723	50VDC @ 3A ↔	Dark gray	9.0 x 4.75 x 7.5	12.3 \$	143.95	\$136.75	\$129.89

150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage
 Built-in fan
- · Voltage and current panel meter · Constant voltage and current operation

175265: 15VDC @ 10A, 150-Watt

- · Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- · Over-voltage, over-current, short-circuit protection
- · Cigarette lighter plug for current output
- · LED indicator for power and warning

175257: 15VDC @ 15A, 225-Watt

- Output current: 25A max. (22A continuous @ 13.8VDC)
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- LED indicator for power and warning

- 175249: 50VDC @ 5A, 250-Watt
- 5A @ 250V fuse Input voltage: 110VAC @ 50-60Hz
- · Isolated ground
- Output Voltage Part No. Cross Ref. No. Size (L" x W" x H") 10 25 DPS150A ⊕ 2-15VDC 5.7 x 6.2 x 4.0 12.0 \$149.95 \$129.95 175265 \$134.95 175257 SPS250A ⊕ 9-15VDC 5.6 x 6.2 x 4.0 3.8 **159.95** 143.95 129.56 175249 DPS5050 ⊕ 0-50VDC 4.9 x 7.7 x 6.7 13.8 **189.95** 179.95 171.49



Quantity SAVE

Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electromagnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 (667817) includes a log periodic antenna for that extra boost in locating and measuring signals

ZapChecker

(RF Field Strength Meter)



667796

choose to use other antennas. · Sensitivity control: 20dB, (10 to 1) signal control range

and a BNC connector if you

- Sensitivity: (667796) 70μV; (667817) 45μV · Detection modes: LINEAR - for far-field detection of weakest signals: 10dB for ZC-185 and 12dB for ZČ-300
- · Dynamic range: LOG for near-field localization without overloading: 60dB
- Dynamic range MID for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- · Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- · Analog meter display for visual indication of changes and levels of RF signals
- · LED display indicators
- · Approximately 80 hours of battery life (2 x AA batteries) • Size: 2.1"W x 1.3"D x 5.0"H

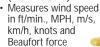
Part No.	Description	Frequency 1	10
667796	ZC-185	3MHz-5GHz \$158.95	\$150.95
667817	ZC-300	1MHz-8GHz 398.95	370.45

Mini Thermo-Anemometer

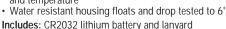
EXTECH

Waterproof, pocket size with air velocity, temperature and windchill, all in one. Ideal for checking blowers, fans, exhaust hoods and balancing AC/HT ducts.





· Large dual display for air velocity and temperature



Part No. \$88.95



Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

175249



Over-voltage protection @ 16.5V

Short-circuit protection @ 27.5A

Cigarette lighter plug for current output

Handheld HDTV Pattern Generator

B&K Precision's model 1253 is an affordable HDTV test pattern generator that delivers accurate test patterns for the testing of the most common HDTV displays including Plasma, LCD, TFT, CRT, DLP, GLV and OLED digital display products. The 1253 can display from its HDTV Component (YPbPr) outputs



fourteen of the most useful patterns for twelve of the most commonly used video formats (S-Video output patterns provide luminance only). The 1253 displays the most popular formats including 1920 x 1080 30i, 1280 x 720 60p, 704 x 480 60p, NTSC, PAL & SECAM. A unique feature of the 1253 is the Overscan DVD Aspect Ratio pattern. This feature covers the most commonly use aspect ratios used for all movies recorded to DVD media.

- · Patterns: SMPTE bars, PLUGE, needle, color bars, cross hatch, DVD Aspect Ratio, raster, multiburst, focus, staircase, window, checker, overscan
- Y output: 1Vp-p into 75Ω S-video (SVHS) 5-pin DIN connector
- Power source: 9V battery
- Red LED power indicator Size: 5.6"L x 3.1"W x 1.1"H

Part No.	Description	Price
681504	HDTV pattern generator	\$595.05

EXTECH Mini IR Thermometer

- · Economical mini-size design for convenience
- · Automatic data hold when measure button is released
- · Maximum or minimum hold
- · Field of view: 1:1
- Temperature range: -31°F to 446°F (-35°C to 230°C)
- · Lock feature for continuous scanning
- Maximum resolution: 0.1°F/°C
- Fixed emissivity covers 90% of surface applications
- Auto power off
- Size: 3.0"L x 1.6"W x 0.7"D

Part No.	Product No.	1	5
1537299	IR100	\$29.25	\$28.49

NEW

MEW

EXTECH Mini Analog Multimeter

- · Easy to read analog display
- 5% full scale accuracy · Battery test on 9V and
- 1.5V batteries
- · 6 functions including battery and decibel test · DC current range:
- 0.5mA to 250mA
- · DC voltage range: 2.5V to 300V
- · AC voltage range: 10V to 300V
- Resistance range: $10 \text{K}\Omega$ to $1 \text{M}\Omega$ Size: 6.1"H x 3.5"W x 1.9"D
- · Weight: 0.5 lbs.

Includes: test leads protective holster and 1.5V AA battery

Part No.	Product No.	1	5
1536843	38073	\$14.59	\$14.24

EXTECH

Non-Contact AC Voltage & Current Detector



- · The only 2-in-1 non-contact AC voltage and current detector
- Non-contact AC current detection range: 200mA to 1000A
- Non-contact AC voltage detection range: 12V to 600VAC
- · Current sensor detects current flow through shielded wires, conduit, & metal circuit breakers/junction boxes
- Sensitivity adjustments to increase or decrease sensor trigger threshold
- Audible & visible sense detect indicators
- Detects current flow of 400mA @ 0.2" distance, longer distances for larger current flows
- Size: 7.6"L x 1.2"W x 0.9"D · Weight: 0.2 lbs.

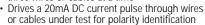
Includes: four LR44 button type batteries and clip

Part No.	Product No. 1	5
1537192	DVA30\$38.99	\$37.99

EXTECH

Remote & Local **Continuity Tester**

- · Local continuity checking is accomplished by a flashing LED and pulsating beeper
- Remote continuity is accomplished with the use of a remote probe, it does not tie up two people when identifying and labeling wires and cables
- · Two lead, bi-color led (red/green) is used on the remote probe that allows a single user to identify up to three wires or cables at a time



Part No.	Product No.	1	5
1537272	CT20	\$29.25	\$28.49

EXTECH

Pen DMM with Non-**Contact Voltage Detector**

MEW



- · Large 2,000 count LCD display
- Non-contact voltage detection with visible & audible alarm
- Retractable tip for safe storage
- · Auto ranging with data hold, range hold, & maximum hold • Auto power off
- Overload & low battery indication
- Non-contact voltage range: 50VAC to 600VAC
- DC voltage ranges: 200mV to 600V with 0.1mV resolution
- AC voltage ranges: 200mV to 600V with 0.1mV resolution
- Resistance ranges: 200Ω to $20M\Omega$ with 0.1Ω resolution · Diode & continuity test
- Size: 8.2"L x 1.5"W x 1.1"D Weight: 0.3 lbs.

Includes: test leads with alligator clips, two 1.5V AAA batteries, and carrying case

Part No.	Product No.	1	5
1537184	381676	\$38.99	\$37.99

EXTECH

Moisture Meter

- · Adjustable pins for wood and other porous building materials
- Moisture content: 0 100
- Temp. range: 32°F to 122°F (0°C to 50°C)
- Unique dual LCD displays wall moisture and air temp. simultaneously
- Moisture content displayed on a relative scale
- · Multi-position pins w/ safety storage for replaceable pins
- Data hold to freeze reading on display
- · Low battery indication
- Selectable slide switch
- · Calibration adjustment for better repeatability
- °C/°F switchable Size: 7.6"L x 1.8"W x 0.8"D

Includes: 2 AAA batteries, 10 spare pins & pouch case

Part No.	Product No.	1	10
1581134	MO100	\$59.95	\$57.45

EXTECH

Digital Psychrometer

External Probe Temperature Measurements for Differential

Unique sensor cap design twists to closed position for protection during storage.

- Simultaneous display of NEW %RH, temp. and dew point or web bulb or probe temp.
- Temp. ranges: (internal) -4°F to 122°F (-20°C to 50°C); (external) -4°F to 158°F (-20°C to 70°C)
- Temp. ranges: -90.4°F to 122°F (-68°C to 49.9°C)
- Wet bulb measurement without slinging
- Calculates T1-T2 differential (air temp.
- minus external probe temp. using optional probe)
- Data hold freezes current reading on display
- Switchable °F/°C temp. reading
 Auto power off
 Min./max. readings
 Size: 7.0"L x 1.9"W x 1.0"D
- Part No. Product No. 1581142 RH300 \$89.95 \$86.59 1581151 TP890 (optional thermistor temperature probe) 15.95 14.99

EXTECH

Combustible Gas Leak Detector

- · Detects combustible gas liquefied natural gas (LNG) and liquefied propane gas (LPG) from 500 to 6500ppm
- Convenient compact portable size
- · Highly sensitive detection circuitry
- Audible and visual alarm
- · LED indicators for gas leakage & static absorption
- Continuous operation up to 4 hours
- · One switch operation
- Size: 6.5"L x 0.8"Dia.

Includes: 2 AAA batteries



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with suggestions for products you'd like to see in future catalogs.

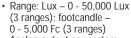




Temperature/Environmental Meters & Cable Testers

Digital Light Meter

· Measures in Lux and footcandle ranges



- Analog output connectors for external recording
- · Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- · Weight: 0.9 lbs.
- One-year warranty

one year	rran and		
Part No.	Description	1	10
131764	Digital light meter ↔	\$99.95	\$89.95

Digital Sound Level Meter

EXTECH

- · Type 2 meter with manual data store; recalls up to 99 readings
- High accuracy
- AC/DC analog output · Wide decibel range:
- 40dB to 130dB · Max/min recording with elapsed time stamp
- A & C weighing
- Large 2000 count LCD display with analog bargraph
- 0.5" condenser microphone
- Size: 10.3"H x 2.6"W x 1.0"D

Product No. Part No. 645642 407730 \$75.15

Non-Contact Infrared Thermometer w/ Laser Pointer

EXTECH

- · Built-in laser pointer identifies target area
- · Field of view: 6:1 (6" distance measures 1" target)
- Automatic data hold when trigger released and auto power off
- Fixed 0.95 emissivity covers 90% of surface applications
- Temperature range: 0°F to 600°F (-20°C to 320°C)
- · Basic accuracy: ±2% of reading
- 2000-count backlit LCD display
- Audible and visible over-range indicators
- Size: 8.3"L x 3.5"W x 1.5"D

Includes: 9V battery

Part No.	Product No. 1	10
211588	42529 \$88.95	\$84.50

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment. In-process temperature measurements. With a 6:1 ratio field of view and built-in laser for improved aim, it covers 90% of surface applications for temperature measurement.

- Temperature range: -58°F to 518°F (-50°C to 270°C)
- · Built-in laser pointer to improve aim
- *F/*C switchable
- · Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- 6:1 field of view
- · Data hold and max hold

Includes: 2 AA batteries

219361	Pocket IR thermometer

Part No. Description





Temperature/Humidity Meter with Min/Max Memory

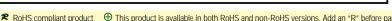
- Displays (%) relative humidity and temperature (°C/°F) simultaneously
- Min./Max. memory on both relative humidity and temperature with reset function
- Humidity range: 10% to 99%

Includes: Built-in tilt stand, AAA battery, and wall mounting bracket

Part No.	Product No.	Temperature Range	Size (L" x W" x Thick")	1	10	25
198045	445703	14°F to 140°F (-10°C to 60°C)	4.3 x 3.9 x 0.8	\$36.95	\$35.09	\$33.35

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RS-232 Mini-Tester with Status LEDs

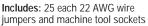
Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is

Part No.	Description	1	10	100
26729	Mini-tester⊕	\$11.95	\$10.76	\$9.68

required. Connectors: male to female DB25.

Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.



Part No.	Description	1	10	100
11181	Breakout box ⊕	\$8.95	\$7.95	\$6.95

RS-232 Loopback Tester

The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.



Part No.	Description	1	10	100
22728	Loopback tester	\$6.95	\$5.95	\$4.45

Flexible Multilink RS-232 Tester & Breakout Box

Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance.

Complete cable "breakout" and reconfiguration. Connectors: DB25 male & DB25 female.

 Cable length: 4" • Size: 3.5"L x 3.3"W x 1.0"H Includes: Handy carrying case, 10 jumper wires and a device wiring chart

Par	t No.	Description	1	10	25
259	45	Tester/breakout box ⊕	\$22.95	\$19.95	\$17.95

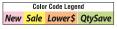
How to Test Almost Everything Electronic

TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

Size: 7.4" x 9.3"
 Weight: 1.3 lbs.

Part No. Description 10 126199 \$16.15 How to Test Everything \$17.95





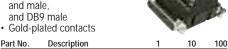
RS-232 Line Status Tester

Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.

Part No.	Description	1	10	100				
14285	Check line tester⊕ .	. \$8.95	\$8.09	\$7.25				

RS-232 Signal Adapter/Splitter

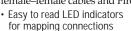
· Metal connectors: DB25 female and male. and DB9 male



105196 Serial adapter ₹ \$6.95 \$5.95 \$7.95

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.



Paladin Tools®

· Auto power off, auto scan, and manual scan

Includes: 9V battery

Part No.	Product No.	Price
652480	1577⊕	\$164.95

EXTECH

Network and CATV Cable Tester

Continuity tester for twisted pair cables and F-type CATV coax cables.

- · Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B. 10Base-T
- · Shield detection test
- · Tests cable lengths from 3 ft. to 600 ft.
- Size: 3.25"H x 2.0"W x 1.25"D

ncludes:	2 AAA batteries	Cost!
Part No.	Product No.	Price
645634	CT100	\$28.49



LANtest Network and **Modular Cable Tester**

- · Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables. 356A, TIA568A/568B and token ring cable.
- Easy to verify cable continuity, open, short and miswire
- · Can test the grounding
- · Power switch provided for saving battery power

Part No.	Product No.	1	10	50
615136	45-5767-0000	\$115.79	\$104.24	\$93.82

Pomona

BNC to Minigrabber® **Test Clips**

- RG 174/U, .100" O.D. Rating: 300 VRMS max., +50°C (+122°F) max.
- Strain relief: PVC molded

directly Length	to connector : 36"	0	_
Part No.	Product No.	1	10
176954	5187-K-36⊕	\$24.95	\$22.45

omona

BNC Male w/ Molded Strain Relief to Minigator® Test Clips

- RG 58C/U, .195" O.D.
- Rating: 45 V^{RMS} max., +50°C (+122°F) max.
- · Jaws open to .187" max.
- · Length: 36"

Part No.	Product No. 1	10
176971	4532-C-36⊕ \$18.95	\$16.95

Pomona

BNC Cables

- RG58 C/U 50Ω cable BNC male connectors
- · Molded strain relief
- Length: P/N 159871: 36" D/N 150990- 60"

	1711 137000.00	8	1598/1	- 1
Part No.	Product No.	1	10	25
159871	2249-C-36 ↔	\$15.95	\$14.39	\$12.95
159880	2249-C-60⊕	16.79	15.95	14.95

Pomona

Stackable Banana Test Lead Cables



5000V @ 15A
 55°C max.

159898: Two 36" leads, mini clip w/ banana

 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

159901: Two 24" leads 159919: Two 36" leads

Part No.	Prod. No. Description	1	10	25
159898	3782-36 ⊕ Mini w/ banana	\$9.95	\$9.45	\$8.75
159901	B-24-02 ⊕ Patch cord	9.95	8.95	7.95
159919	B-36-02 ⊕ Patch cord	9.95	8.95	7.95

Phone Line Tester

- Loop limit: 2kΩ max. @ 48VDC
- DC resistance (talk mode): 300Ω typical
- Monitor impedance: 39kΩ nominal @ 1kHz
- Monitor amplifier: 9V transistor provides 25 hours continuous use
- Auto power shut-off
- · Power source: shared line
- and battery power (9V)
 Size: 10.3"L x 2.8"W x 3.5"H

Part No.	Product No.	Price
673707	MT-8001	\$188.95

Solderless Banana Plugs







· Set screws secure leads

 Nickel-plated ABS insulation

• 5000VDC @ 15A · Sets include 1 black and 1 red • 50°C max.

159863: w/ safety collar 159855: w/ set screw

159927: double banana plug w/ wire guide

	abio bailai	a plag in iiii o	94.40		
Part No.	Prod. No.	Description	1	10	25
159863	1825-02 ↔	Safety collar	\$3.29	\$2.99	\$2.69
159855	1325-02 ↔	Set screw	3.29	2.99	2.69
159927	MDP-02⊕	Double banana.	5.95	5.65	4.95



Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11440	BNC banana plug (F)₹	\$4.95	\$4.49	\$3.99
125225	BNC banana plug (M) @	6.05	5.14	3.86

Double Banana Plugs

 Dual gold-plated female banana plugs • Stackable

10

Part No. Description 100 125210 Black banana conn. ₹ \$2.65 \$1.69 \$2.25 125217 Red banana conn. ⊕ 2.35 1.95

1" Screw-Type Binding Posts

- · For both wire and standard banana · 0.16" hole for banana test leads
- · Chassis mount w/ lock washer and nut · Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.

Requires: 0.32" mounting hole

Includes: One red and one black insulated post

Part No. Description 1 10 100 1000 71239 Binding posts (2) ⊕ \$.99 \$.85 \$.69 \$.59

13/4" Screw/Solder Binding Posts

- For both wire & standard banana · 0.16" hole for banana test leads
- · Chassis mounting
- Solder post: 0.06 Dia. Size: 1.8"L x 0.5"Dia.

Includes: One red and one black

Part No. Description Binding posts (2) \$ \$1.09 \$.95 77691

IAMECO

Double-Banana Plug to Alligator Clips Test Cable

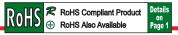
- Red & black rubber boot · 4" lead wire
- · Length: 3'



RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







JAMECO BenchPro Mini Test Clips · Two lengths 114818 Includes: One black and one red hooked probe clip Part No. 10 114809 1.75" mini test clips ⊕ .. \$1.89 \$1.49 \$1.35 114818 3.5" mini test clips **₹** **1.75** 1.49 JAMECO BenchPro Alligator Clip Leads

- · 24 AWG wire
- · Color-coded, 15" long · Insulated alligator clip

10 per pkg. in





BNC to Alligator Clip Test Cable

Permits BNC assembly to be used as a test cable.

· Upper connection: two alligator clips - red 5.5" 22AWG wire; black 9" 22AWG wire



Part No.	Description	1	10	100
11384	BNC cable ≉	\$3.49	\$2.49	\$2.25

JAMECO BenchPro Insulated Alligator Clips

- · Color-coded · Insulated barrel · Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for 6-32 self threading screw
- Size: 2.3"L x 0.5"W

Includes: One red and one black clip

Part No.	Description	1	10	100
70991	Alligator clips ₹	\$.39	\$.36	\$.33

JAMECO BenchPro

1% Banana Plugs

- · Set-screw connection
- · Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- · Insulating sleeve is threaded to banana plug body
- .1875" lead opening • Size: 1.6"L x 0.4"Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100
72195	Banana plugs	\$1.59	\$1.49	\$1.25

JAMECO BenchPro

21/4" Banana Plugs

- Nine rib spring plug
- · Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits
- snugly over copper post Size: 2.3"L x 0.3"W
- Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
Part No. 137526	Banana plugs ₹	\$2.95	\$2.12	\$1.84

BenchPro

Alligator Clips

Sold in increments of 2 **❸** Blue Part No. = Limited Quantity Available Part No. Description Size (L"xW") 2 248921 Mini-alligator clip solder/crimp₹ 1.2 x 0.3 \$.28 \$.25 \$.23 256525 Alligator clip, barrel/screw₹ 1.9 x 0.2 **.45** 35 248938 Alligator clip, solder/crimp ⊕o 1.6 x 0.3**52** .42 248972 Red ins. for 248938/256525 ₹29 .27 .25 248962 Blk. ins. for 248938/256525 3



BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.



Part No.	Cross Ref. No.	1	10	100
256831	CBB-069⊕	\$5.39	\$5.15	\$4.89

JAMECO BenchPro

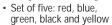
Micro Test Clip

One piece

per pac	kage Quantil	SAVE		-
art No.	Description	1	10	10
E2142	1.4" micro toct	clin (4) \$ 05	¢ 01	(¢ /

Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.



14"L; clips on both ends

26 AWG to 300V CSA/UL approved wire

Part No.	Description	1	10	100
135299	Mini test leads₹	\$11.49	\$10.39	\$9.29

Mini-Clip to Banana **Test Cables**

Plunger-type action







- 20 AWG insulated wire
- Length: 3.5

Part No.	Description 1	10	100
Part No. 21857 21865	Black test cable ₹ \$3.95	\$3.55	\$2.99
21865	Red test cable ₹ 3.95	3.49	2.99

Banana-to-Banana **Test Leads**

Stackable

Color coded; 2 each red, yellow, blue, black, white • 9.8" long

 18 AWG wire 10 per package

ı	Part No.	Description	1	10	25
	77841	Test leads ⊕	\$22.95	\$20.69	\$18.59



Test Clip



· Rapid easy connectors · Threaded stud standard

Part No.	Prod. No.	Description	1	10	100	
469087	02-0♠	Threaded std	\$2.35	\$2.28	\$2.21	

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

0.025" (0.64mm) Square Pin To Straight Banana Plug Adapter

- Excellent for use as a jumper on circuit cards with 0.6mm (0.025") square pins and equipment with 4.2mm (0.166") diameter pin jacks
- Plug bódy: brass alloý
- Insulation: polypropylene
- Connector: in-line banana plug Spring material: beryllium copper alloy
- Wire: 22AWG stranded (26 x 36) PVC insulated, 36" long
- Pin connector: 0.64mm (0.025") square pin receptacle, phosphor bronze gold plated

Part No.	Product No.	Color	1	5	10
684553	4771-36-0	Black	\$6.09	\$5.95	\$5.79
684570	4771-36-2	Red	6.09	5.95	5.79

Pomona

Micro SMD Oscilloscope Tip Adapter

- Adapter attaches to monolithic
- type oscilloscope probes Interface with Pomona's micro SMD grabbers
- Adapter provides electrical connection to probe tip and
- probe head grounding area Dual leads allows oscilloscope
- probe to attach to 0.025" (0.64mm) diameter posts

Part No.	Product No.		3	10
684588	6443\$	56.69	\$55.19	\$53.65

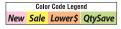
Committed to You



Pomona

We're committed to providing you with the best service in the industry.

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.



174625

PROBE MASTER Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3'3"

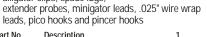
174625 Includes: 10 plunger type tips

212222 Includes: 10 pieces; screw-on alligator clips, spade lugs and spring hooks

Part No.	Description 1	10	25
174625	Micro tip test leads \$31.35	\$29.76	\$28.57
212222	Softie test leads 24.69	23.48	22.31

Probe Kit PROBE MASTER

- Rating: 1000V 10A
- Gold tips and contacts
- · Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs,



Part No.	Description	1	10
212249	Elect. deluxe probe kit	\$70.29	\$66.78

Micro SMD Grabber® Test Pomona Clips For 0.05" (1.25mm) to 0.02" (0.5mm) Lead Pitch

- · Use with PQFT & SOIC packages with 0.02" lead pitch or greater
- · Pincers are stationary,
- housing moves to close tips together
- 20mm long tip allows measurement at IC leads that are not easily accessible
- Thin body style allows an unlimited numbers of clips to be stacked side by side · Leads: music wire
- Device under test must be inactive when connecting pincers • Tip tubing: insulated stainless steel
- Max. frequency: 100MHz Body: nylon
- · Flying lead connection: gold plated copper

Part No.	Product No.	Color 1	5	10
684481	6490-0	Black \$25.35	\$24.95	\$24.59
684490	6490-2	Red 25.35	24.95	24.59

Micro SMD Grabber® Test Pomona Clip for 0.05" (1.25mm) to 0.01" (0.2mm) Lead Pitch

- · Use with PQFT & SQIC packages with 0.2mm lead pitch or greater
- 8mm long tip allows measurement at IC leads that are not easily accessible
- Max. frequency: 100MHz Body: ABS
- · Leads: stainless steel wire
- Thin body style allows an unlimited numbers of clips to be stacked side by side
- Tip tubing: Teflon™ coated nickel plate copper
- Flying lead connection: gold plated copper

	Proa.	Pro.	Lead				
Part No.	No.	Ht.	Pitch	Tip	1	5	10
684502	6311	0.55"	0.03"-0.01"	Long	\$86.45	\$85.05	\$82.39
684537	6312	0.55"	0.05"-0.01"	Long	87.45	86.05	83.35
684545	6313	0.55"	0.05"-0.01"	Short	75.69	74.49	72.15

FLLIKE **Probe Light & Kit**





Do not risk shorting out expensive electronics or risk shock in high voltage panels. With this white LED probe light, simply snap on to any test probe or leads and you will have an instant hands-free light at your fingertips.

 120 hours of battery life
 Uses 2 3-volt watch batteries 667518: Probe Light kit includes L200 probe light, TL71 premium test lead set, and case

Part No.	Product No. 1	3
667497	L200 \$1 7.95	\$17.05
667518	L211 41.95	39.85

Pomona

Replacement **Probe Test Lead Set**

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- · Right-angle multimeter connectors

Part No.	Product No.	1	10	25
155951	5519A⊕	\$12.95	\$11.69	\$10.99

Pomona

684481

684502

Minigrabber® Test Clip **Patch Cord Kit**

- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends

Part No.	Prod. No.	Description	1	10
156494	5523 ↔	Patch cord (hook)	\$36.45	\$33.52

Pomona.

11"L Test Lead Holders

155985:

Max cable dia.: 0.450"

Max cable dia.: 0.320" 55969:	
Max cable dia.: 0.210"	155985

Part No.	Prod. No.	Slots	Color	1	10	25
155985	2708B ↔	9	Blue	\$10.75	\$10.23	\$9.76
155977	4408⊕	10	Black	10.45	9.69	8.95
155969	1508 ↔	14	Orange	11.95	10.75	9.76

BNC to Clip Test Cables



BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- · Micro-clip or mini-clip
- Length: 39"

Part No.	Description	1	10	50	100
11422	Micro-clip RG174 ₹	\$3.99	\$3.19	\$2.89	\$2.59
Part No. 11422 11464	Mini-clip RG174 % .	4.39	3.99	3.59	3.19

BenchPro

Panel Mount Tip Jacks 1/4" - 32 Thread

Mounts in panels ranging in thickness from 0.063" to 0.375".

- · Plating: bright tin · Material: brass
- Insulation: polycarbonate 10 per package

Part No.	Cross Ref. No.		1	10	
256778	R1-17-BLK ⊕	Black \$8.7	75	\$7.44	\$5.58
263863	R1-17-RED ⊕	Red 8.5	59	8.15	7.75

Double Binding Posts - Dual Banana

- Red/black design
- Screw-mount
- 0.72" between posts
- Size: 1.6"L x 1.4"W

		4		
Part No.	Description	1	10	100
125197	Double bind post ?	\$3.95	\$3.45	\$3.19



BNC to Double Binding Posts Dual Banana



 Red/black 	ck design		1	25233
Part No. 125233 99354	Description	1	10	100
125233	BNC-female⊕	\$4.95	\$4.49	\$4.05
99354	BNC-male ⊕	5.29	4.76	4.28

BenchPr

Universal Test Lead Kit

Includes: 3' black/ red cables, 4.5" black/red insulated test probes, 0.8" needle probes,



spade terminals, 2 sets of 4 pieces each red/black insulated alligator clips and banana plug

Part No.	Description	1	10	100
168516	Universal kit⊕	\$8.95	\$7.95	\$6.95

JAMECO" **Bench**Pro

Protected Banana Style Multimeter Test Probes

- Threaded/pointed test tip
- Black and red
- 18 AWG wire 42" long
- · 2 per package

Part No.	Description
77737	Protected pro





Standard Banana Style Multimeter Test Probes

 Black and red 18 AWG wire

 2 per package 42" long



Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

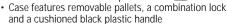


51-Piece Tech Tool Kit

Essential kit for electronic machine maintenance and repair jobs!

 In addition to the tools listed in the matrix right. the kit includes:

2 nut driversSolder pen



Size: 12.5"L x 17.5"W x 3.5"H
 Weight: 10.4 lbs.

Part No.	Description 1	5
26681	51-piece tool kit \$94.95	\$75.95

55-Piece Tech Tool Kit

An assortment of tools for general & precision work for technicians, engineers, students, etc.



· In addition to the tools listed in the matrix right, the kit includes:

 Screwdriver handle 6-pc mini-hammer set - 5-pc of double edge blade - PLCC extraction tool

· Outer velcro pockets to store paperwork, etc.

 Complete your assortment with a multimeter (See pages 272-275)

• Size: 17.6"L x 12.8"W x 4.0"H • Weight: 9.2 lbs.

Part No.	Description	1	5
136311	55-piece tool kit	\$128.95	\$112.46

57-Pc. Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

 In addition to the tools listed in the matrix right, the kit includes:

- 5" & 6" side cutter - 5" & 6" long nose pliers

- 8" combination pliers

- 9.5" water pump pliers - Testing driver - Alignment driver

 Parts tube – 5-piece file set

– 6" stainless scissors

 Carrying case has two removable pallets. adjustable compartments, and combination locks Size: 18.0"W x 13.0"D x 4.0"H
 Weight: 16.0 lbs.

Part No. Description

 Solder wick - PVC insulated tape

- Oil can - Carpenter hammer

Master electronic tool kit ... \$128.95 \$121.65

26-Piece SAE Hobby Tool Set

· 4-1/2" long nose pliers

4-1/2" diagonal

218245

cutting pliers
• #1 & #2 Phillips bits

#1 & #2 pozi bits

• 3/16" & 1/4" slotted bits

· Hex to 1/4" driver adapter

 T-10, T-15, and T-20 Torx bits
 Tweezers Driver handle
 Compact carrying case

• 3" extension bar for 1/4" drive

· 3 slotted and 3 screw driver precision set

3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	10	25
170069	26-pc. SAE tool set	\$17.95	\$16.16	\$13.69

100-Piece Professional **Electronics Tool Kit**

Kit for field technicians and engineers!

 In addition to the tools listed in the matrix below, the kit includes:

Computer/polarity

circuit tester

- Mini vacuum cleaner

- Cassette head cleaning fluid 3.6V cordless screwdriver kit (bits included)

· Aluminum case features removable pallets, surface-type locks, and black plastic handle

Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	\$199.95	\$189.95

114-Piece Tech Service Tool Kit

 In addition to the tools listed in the matrix below. the kit includes:

- 40-pc socket pack

- 6" side cutter

- 6" long nose pliers

- 6" slip joint pliers

- Carpenter hammer 3 piece trimmer set

- Stainless steel spring hook

- Solder wick

- 8" combination pliers

- 2 removable pallets • Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No. Description 149024 114-piece tool kit \$279.95 \$251.99

Quick-Reference Table of Additional Tool Kit Contents

Parts included in kits	26681	136311	218245	242851	149024
3-prong holder		1	1	1	1
Anti-static strap		1		1	1
Brush	1	1	1	1	1
Crimping tool		1 (7-way)	1	1	1
Desoldering pump	1	1	1	1	1
Digital Multimeter	1			1	
Drill set					1
Files, needle	2-pc			6-pc	5-pc
Flashlight		1	1	1	1
Forceps					1
Heat sink		1	1		1
IC extractor		1	1		1
Inspection mirror			1		1
Measuring tape, 10-foot	1		1		1
Pliers, 8" lineman		1		1	
Pliers, bent needle nose	1	1	1	1	1
Pliers, diagonal cutter	1	1		1	1
Pliers, flat nose	1	1		1	1
Pliers, snipe nose					1
Scissors	1		1	1	
Screwdriver set	8-pc	3-pc	8-pc	12-pc	9-pc
Screwdrivers, precision	6-pc	6-pc	6-pc	6-pc	6-рс
Solder core		1	11	1	1
Soldering aid kit, 3-pc	1	1	1	1	1
Soldering iron	1 (30W)	1 (30W)	1 (30W)	1 (30W)	1 (25W)
Soldering stand	1		1	1	
Tape, electrician				1	1
Tweezers	1	2	1	1	1
Utility components box	1		1	1	1
Utility knife	1	1	1	1	
Wire stripper					1
Wrench, adjustable		1	1	1	1
Wrench, hex key	7-pc	7-pc	7-pc	7-pc	7-pc
Wrench set			6-рс	5-pc	10-рс
Total Pieces	51	55	57	100	114
Price	\$94.95	\$128.95	\$128.95	\$199.95	\$279.95

11 & 12-Piece Lightweight **Computer-Service Tool Kits**

Both kits include:

- 2 nut drivers: 3/16", 1/4"

- 3-claw parts holder

- 1-pc hex key wrench

- IC extractor

- 4-pc screwdriver set

- Tweezers

167206: 11-Piece Tool Kit

· Clear components, tube holder

14189: 12-Piece Tool Kit

• 14-16 pin IC inserter/straightener







24-Piece PC Premium Tool Kit

• 3.2mm x 75mm slotted screwdriver

#0 x 75mm Phillips screwdriver

3 prong holder

Spring tweezer Spare parts tube

IC extractor

Torch

· Extension bar for ratchet bits

Adjustable ratchet screwdriver

Side cutter pliers · Long nose pliers

5mm and 7mm slotted bit • #1 and #2 Phillips bit

• T10, T15, T20, T25, and T30 Torx bit

 1/4" and 3/16" nut · Socket adapter

• Size: 8.4"L x 5.9"W x 1.4"H • Weight: 1.3 lbs.

Part No. Description 226085 24-piece premium tool kit ⊕ \$17.95 \$14.36



Part No. Description 10 167206 \$9.83 11-piece tool kit \$13.25 14189 12-piece tool kit 16.95 15.26 13.73

40-Piece Electronic Tech Tool Kit

- · The kit includes:
- Wire cutters/ stripper
- Adapter bit for sockets
- Pocket clip screwdriver
- Potentiometer alignment tools
- T10-T25 reversible Torx screwdriver bits
- 3/16"-1/2" S.A.E. nut driver sockets
- 6mm-12mm metric nut driver sockets
- Slotted and Phillips screwdriver bits
- 10-pc screwdriver set
- Extra long 3-claw parts holder **Quantity SAVE**
- IC inserter w/ pin straightener IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H
 Weight: 1.7 lbs.

Part No.	Description	1	10	25
119183	40-piece tool kit	\$21.95	\$18.66	\$14.00

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

Aluminum Tool Case

This heavy-duty case is made of lightweight durable aluminum. A single inside panel and adjustable compartments easily carry hand tools, small soldering equipment, hand-held test equipment, and more.



261884		\$49.95	\$44.
Part No.	Description	1	
JIZC. I	7.0 L X 14.0 W	7 X 0.0 D	

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.



2-In-1 Zippered Tool Bag

A high-quality tool tote case that can be used as two separate bags or zipped together as one case. The first bag has two large pouches for documents and paperwork or large items. The second bag contains 20 pockets for tools.

• Size: 16.0"L x 12.0"W x 2.5"D

Part No.	Description	1	5
261868	Tool/tote case ூ	\$24.25	\$22.09

velleman

Double Layer Nylon Tool Bag

This nylon tool bag provides enough space to carry your tools anywhere. Zippered bottom panel for long flat tools, 8 external pockets and 4 internal pockets for everyday use tools.

- · Material: double layer rugged nylon
- · Color: light brown and green
- Size: 15.5" (38.1 x 19.0 x 30.5cm)

Part No.	Product No.	1	5
645511	VTBAG2	. \$39.95	\$37.45

platt

With an 81-year history of innovation, Platt Luggage proudly manufactures a vast variety of carrying cases. Platt is a world leader in the manufacture of tool carrying cases. Now you can purchase these reknown cases from Jameco!

All Platt products feature a one year warranty from date of purchase against manufacturing defects. Product quality is assured. With the Platt name, you are assured of the highest quality product—both American made and World class!

Blow Molded Cases

These cases are manufactured from prime, high-density polyethylene and feature double wall construction. The textured exteriors resist dents, cracking and scuffs.



692916

692895

Part No.	Product No.	Color	Inside Dim. (L"xW"xH")	1	5
692887	207₹♠	Black	9.5 x 6.0 x 2.7	\$14.99	\$14.92
692895	307₹♠	Black	11.0 x 7.0 x 3.4	22.35	21.99
692908	407 ≈ ♠	Black	12.4 x 8.9 x 5.1	29.25	28.99
692916	507 🕿 🛦	Black	13 9 y 9 9 y 4 N	37.45	36 99

Tool Cases and Bags

Mechanics Tool Bags These handy "Mechanic's Tool Bags" are similar to the GI tool bag used for decades by the U.S. Military. Water-repellent Cordura fabric makes it much more durable and with 8 sewn-in pockets on the inside and 2 divided snap pouches on the outside, you'll keep your smaller tools and parts organized.



Part No.	Product No.	Color	Outside Dim. (L"xW"xH")	1	10
693100	MTB ≈ ♠	Black	12.0 x 6.0 x 6.5	\$20.65	\$19.38
693118	MTB-BLU ≉ ♠	Blue	12.0 x 6.0 x 6.5	20.65	19.38

Medium Duty ABS Cases

Modern look of heavy duty grained ABS with extruded aluminum frame, deluxe golf grip handle, cast chrome key locks and piano hinge.



Part N	lo. Produc	t No. Color	(L"xW"xH")	(ins.)	1	5
6929	59 2207 ≸	8 ♠ Black	22.0 x 16.0 x 7.0	4	\$123.29	\$119.99
6929	67 2407 ≸	♣ Black	24.0 x 18.0 x 7.0	4	138.19	135.99
6929	75 2807	Black	28.0 x 20.0 x 7.0	4	154.45	149.99

Heavy Duty ATA Cases with Wheels and Telescoping Handle

Once you own one of these shippable tool cases, you won't want to own anything else! If you travel by air and need to bring your toolset, these cases are right for you.



			Inside Dim.	Inside Depth		-
Part No.	Product No.	Color	(L"xW"xH")	(ins.) ່	1	5
693011	221609AH ≉ ♠	Black	19.6 x 13.5 x 9.0	5.5	. \$266.85	\$254.99
693038	282011AH ≈ ♠	Black	27.5 x 19.5 x 11.0	5.5	316.65	299.99

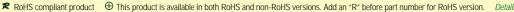
More Platt Cases Online

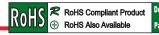
Heavy Duty Polyethylene Cases

The exterior shell is tough, impact-resistant HMW polyethylene. Features heavy-duty aluminum rim with black trim and gasket with cast chrome key locks, full-length piano hinge, and deluxe golf grip handle.

Part No.	Product No.	Color	Inside Dim. (L"xW"xH")	Inside Depth (ins.)	1	5
692983	181307🕿 🏚	Black	18.5 x 12.5 x 7.0	4	\$123.75	\$114.99
692991	201407🗷 🏚	Black	19.6 x 13.5 x 7.0	4	151.55	144.99
693003	282007₹♠	Black	27.5 x 19.5 x 7.0	4	197.75	184.99

This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD





Weller

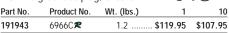
250-Watt, 3-Setting **Industrial Heat Gun**

• 750°F to 800°F hot air at nozzle: 3-position switch: hot-off-cool

· Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling

• 120VAC @ 60Hz • ESD safe

· Long-life heater and fan components · 3-wire grounded plug; 6' cord





1000-Watt Heat Gun

· Dual heat setting: 600°F/1100°F

· Works with spot dry paints, plaster, spackle, and cure adhesives

· Use with heat-shrink material · Thaw pipes, frozen locks,

and loosen rusted bolts · Input voltage: 110-120 VAC

Part No.	Description	1	6	12
254925	Heat gun ≉	\$42.55	\$41.10	\$36.85

Heat Gun/Stripper

Dual-Setting

· Use with heat shrink material

· Works with spot-dry paint, plaster, spackle cure adhesives

· Will remove adhesive-applied tiles and linoleum without chipping

Dual heat setting: 600°F/1100°F

· Thaw frozen pipes and locks, and loosen rusted bolts

UL listed

• Size: 9.3"L x 7.0"W · Weight: 1.8 lbs.

76865



Part No. Heat gun ⊕ \$39.95 \$35.95 \$31.95 76865 Heat shrink attachment ⊕ 1.95 217816 217832 Air spreader ⊕ 1.95 (1.25) 1.66

Keep It Safe!

Ever consider how much it really costs to replace a prototyped device? When you think about the labor involved,

troubleshooting time, etc., chances are the value is much greater than that of the parts.

So if you're traveling with your prototyped device, are you protecting it properly? Consider one of the protective carrying cases to the left. The hardened skins will prevent damage to the exterior of your device, and the soft foam padding will dissipate likely impacts.

Practical Practices Money Saving Tips for the Engineer

Mini-Drill and Stand

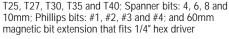
This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description Wt. (lbs.) 1	10	25
26702	MS398 drill ⊕ 0.8 \$29.95	\$26.95	\$23.95
26711	MS399 stand ⊕1.8 21.95	19.75	17.55

32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products. Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4": Security Torx bits: T8, T10, T15, T20,



Part No.	Description	1	10
223829	32-piece security bit set ⊕ .	. \$11.95	\$10.75

3-Piece Drill Bit Set

Drill Bit Set

172401

For drilling component lead wire holes in phelonic or glass epoxy PC boards.

Made of high speed tool steel for long life. Set contains No. 66 bit – 0.033" dia., No. 60 bit – 0.044" dia., 1/16 bit – 0.0625" dia.

Part No.	Description	1	10	50
616569	3-piece drill bit kit	\$4.55	\$4.32	\$4.10

High-Speed Steel Step Drill Bits

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick. 229657: • Shank size: 3/8" • 2.4" long 172401: • Shank size: 1/4" • 2.5" long Part No. Description 229657 3/16" - 7/8" 13-step \$14.95 \$12.71 \$12.37

30-Day Money-Back Guarantee

3/16" - 1/2" 6-step ⊕ 9.95

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

Hot Melt Glue Gun & Glue Sticks

The Loctite® Hysol® 050-LITE is a lightweight handheld hot melt applicator which utilizes a finger actuated trigger mechanism to positively grip and advance all Loctite Hysol 1/2" diameter hot melt sticks.



- Fixed precision temperature setting: 392°F (200°C)
- · Adhesive: 1/2" diameter glue sticks
- Melt rate output: up to 1lb. / hour
- Voltage: 100/240VAC@50-60Hz (self adjusting)
- Power: 20 to 500 watts (self regulating) • Size: 8.0"L x 1.3"W x 6.6"H · Weight: 0.8 lbs.

Part No.	Product No.	Description		Price
667577	98029	Hot Melt glue gun		\$37.39
Part No.	Product No.	Description	1	5
667585	83383	White glue stick	\$14.09	\$13.39
667606	83273	Tan glue stick	8.79	8.35

Glue Gun and Glue Sticks

- · Adheres to PCBs, cardboard,
- wires, metal and cloth Silicon nozzle
- · Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W

Part No.	Description 1	10	25
72696	Glue gun ⊕ \$9.95	\$8.96	\$8.06
78633	Glue sticks (6/pk) ⊕ 3.15	2.84	2.55
176292	Glue sticks (10/pk) ⊕ 4.95	4.29	3.79

PC Board Drill Bits

- Reconditioned carbon steel bits
- High quality long lasting
- cutting edge Shank dia.: .125" Quantity SAVE · Use for drilling holes in glass PC boards

Part No.	Dia.	No.	Application	1	10	100
16619	.021"	75	Misc \$	1.55	\$1.32	\$.99
16580	.040"	59	Plated thru holes	1.75	1.49	1.12

9-Piece Assorted Drill Bit Kit

- · Variety of sizes: .014" to .126"
- Shank diameter: .125"
- · Each kit will vary in contents of bit sizes



\$7.95 131676

Adjustable Cordless Screwdriver Adjustable handle

can be used folded or unfolded

Part No.

176680

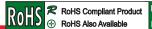
- Thumb switch for reverse and forward action
- No load speed: 180 RPM 3.6V rechargeable battery
- Clutch operating torque from 4 to 21kg-cm Size: 10.5"L x 1.5" Dia.
 Weight: 1.6 lbs.

Includes: 6VDC @ 300mA power supply and

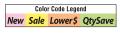
screwdriver bits, slotted and Phillips Blue Part No. = Limited Quantity Available



ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version. Details on page 1. Lower \$\$\$







, JAMECO **Pocket Screwdriver**

Phillips & Flat head

• Size: 6"L

· Pen clip for pocket storage

Part No.	Description	1	10	100
127271	Pocket screwdriver ⊕	\$1.55	\$1.45	\$1.19

11-Pc Precision Screwdriver Set

• 0.9, 1.2, 1.4, 1.8, 2.4 and 3mm slotted screwdrivers

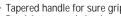
 Phillips #00, #0 and #1 screwdrivers

· Magnetic pick-up Awl

Blue Part No. = Limited Quantity Available



7-Pc Insulated Screwdriver Set



Precision ground shank

Hardened, magnetic tips



261999 Screwdriver set ⊕	\$17.95	\$16.15

6-Pc Precision Torx Screwdriver Set

 T5 and T6 x 50mm Torx screwdrivers

T7, T8, T9, T19 x 50mm Torx hex screwdrivers

Part No. Description 226106 Precision TORX screwdriver ⊕ \$12.95 \$9.74



Quantity SAVE

6-Pc Precision Screwdriver Sets

34041 includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers

34059 includes: 3/64"#0, 1/16"#0. 5/64"#0. 3/32"#0.

1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	1	10	50
34041	Slotted set ⊕	\$3.59	\$3.05	\$2.28
34059	Phillips set⊕	3.59	3.23	2.91

7-Pc Nut Driver Sets

- · Premium hardened steel sockets
- · Large colored handles

261850: Metric

5mm, 6mm, 8mm, 9mm, 10mm, 11mm & 13mm

261842: SAE

3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

Part No.	Description 1	5
261850	Metric nut driver set ⊕ \$8.99 \$8.05	\$6.01
261842	SAE nut driver set 9.89	9.49

6-Pc Long-Neck Screwdriver Set

Three slotted: 0.09"Dia. x 6.6"L; 0.12"Dia. x 6.6"L;

0.16"Dia. x 9.6"L Three Phillips: No.0. 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L



Part No.	Description	1	10	50
99451	6-pc. screwdriver set⊕	\$8.95	\$7.61	\$5.71

6-Piece Screwdriver & Pliers Set

cutting nipper

One micro flat nose pliers

2 long-neck slotted: 0.12"Dia. x 9.61"L;

0.09"Dia. x 7.64"L • 2 long-neck Phillips: No.0, 0.12"Dia. x 9.61"L; No.2, 0.09"Dia. x 7.64"L

Part No.	Description	1	10	50
99565	Screwdriver/pliers ⊕	\$14.95	\$13.40	\$11.90

5-Piece Pliers Set

Precision machined

heat-treated jaws Vinyl insulated handles

Includes: 6.5" needle nose; 7.5" lineman's; 8" slip joint; 8" groove joint & cutting pliers

Blue Part No. = Limited Quantity Available

Part No.	Description 1	5
261905	Pliers set ⊕o \$9.75	\$9.25

Precision 5-Piece Stainless Steel Pliers Set



Spring return

Insulated handles

Includes:

One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No. D	escription	Wt. (IDS.)		10	25
73121 5	-piece set 	0.6	\$17.95	\$16.16	\$14.54

Xcelite **Needle Nose Pliers**

217891 (submini needle nose): Serrated jaws

· Positive gripping of fine wire or subminiature components

· Fine point allows use in confined areas

217998: Smooth jaws

 General purpose for pick-up and wire forming

217891 217998 Prod. No. Description Part No. 217891 L4**%** 4" mini needle nose \$14.95 \$13.69 LN54G₹ 5" thin long nose 14.95 13.97 217998

Half-Round Long Nose Pliers

 Drop forged steel · Heat treated

 Spring return action
 Vinyl grips Knurled jaws Length: 4.5"

Part No. 50 Description 1 10 Half-round pliers ₹ \$4.95 \$4.49 \$3.95 \$3.59 177608

5" Cutting Pliers

Recommended for cutting copper and soft lead wires. Ideal for precise circuit board



5.3" Flat and Half-Round **Long Nose Pliers**

· Stainless steel

Spring return

Durable rubber handles

• 5.3" length w/ 1.4" plier nose 35473/35491: Knurl iaws

195531: Smooth jaws

Blue Part No. = Limited Quantity Available



Part No. Description 10 Flat long nose @ \$5.49 \$4.94 \$3.95 \$2.96 35473 Flat long nose 5.19 4.64 3.65 2.66 195531 35491 Half round ₹5.49 4.94 3.95 2.96

Xcelite' **Diagonal Cutters**



Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

· Flush cutting edge

· Cutting edges machine ground and electronically hardened for extended life

Forged alloy steel w/ polished head

· Handle coil springs for fast cutting action

ESD safe cushion grips for

10
36
68
46
46

Cutting Pliers

Flush Cut

- · Stainless steel
- Side cutting flush cut
- Leaf spring for smooth

COLLLO	ieu action		4
Part No.	Description	1	
261789	Cutting pliers	\$6.95	\$

Heavy Duty Tubing Cutter

· Clever design eliminates spiraling, resulting in straight clean cuts with no burrs

Cuts copper, brass, aluminum tubing and thin-wall conduit

up to 1-1/8" diameter Fold-away reamer

Extra cutter wheel stored in body

· Lightweight aluminum body and knob

 Telescopic wheel-feeding mechanism keeps turning radius constant

Folding deburring blade on backside

Blue Part No. = Limited Quantity Available Part No. Description 227475 Tubing cutter 🔾

ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







Xcelite Cutters and Pliers



· Spring returns

146712: Micro series wire cutter - flush; 6" 146739: Diag. wire cutter - semi-flush; 4" 146721: Long needle nose pliers - flat; 5"

Part No. Product No. 10 50 100 146712 170M**≉** **\$5.75** \$5.19 \$4.69 \$4.34 146739 MS54V**≈** 13.95 12.95 11.95 11.39 146721 MN7776V**₹ 16.95** 15.95 14.95 13.95

Xcelite Shearcutter/Pliers Set

- · Improved handle grip for control and comfort
- · Non-glare black finish carbon steel
- Size (plier): 5.6"L

• Size (Site	arcuite	I): 5.2 L	Acab	94	
Part No.	Product	No.	1	10	25
152055	S2K ₹		\$15.95	\$14.95	\$13.95

4" Diagonal Wire Cutter

- · Drop forged steel
- · Heat treated · Vinyl grips
- Spring return action
- Polished head
- Length: 4"

Part No. 50 Description 10 179902 Wire cutter ₹ ... \$5.49 \$4.94 \$4.45 \$4.00

4.3" Diagonal Wire Cutter

- · Cuts component wire up to 1.2mm thick
- Stainless steel
- · Durable rubber handles · Jaws are designed for flush cutting
- 4.3"L x 2.1"W with 0.5" cutting blade

		U			
Part No.	Description	1	10	50	100
35482	Wire cutter ≉	\$5.59	\$4.99	\$4.55	\$3.99

5" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick and 0.08mm fine wire
- · Insulated handles
- Jaws are designed for flush cutting • 5 0"L v 1 8"W w/ 0 5" cutting blade

- J.U L X	1.0 W W/ 0.5 Cutting	Diade	<i>y</i>	100
Part No.	Cross Ref. No.	1	10	25
161411	Wire cutter ⊕	\$7.49	\$6.74	\$6.07

Hand Tools for Mini-Fit™ Jr.

304928: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928	63811-1000⊕	Crimp tool	\$42.99	\$41.33
304936	11-03-0044 ⊕	Extraction tool	19.99	18.99

304936

5" Wire Cutter/Stripper

- · Strips and cuts 20-24 AWG wires
- Insulated grips
- · Spring loaded for easy use
- Cutter angled @ 45 degrees for use in tight places
- Size: 5.0"L x 3.0"W

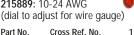
Blue Part No. = Limited Quantity Available

	• Black art 110.	Liiiiitoa Quaiiti	ry / rranae		,	
159273 HT1091 🕀 🖸 \$5.49 \$4.94 \$4.45 \$4	Part No.	Product No.	1	10	50	100
	159273	HT1091 ⊕ o	\$5.49	\$4.94	\$4.45	\$4.00

5" Wire Cutter/Strippers

- · Insulated handles
- · Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- · One-year warranty

78992: 10-30 AWG (screw adjustable) 215889: 10-24 AWG



Part No.	Cross Ref. No	. 1	10	50	100
78992	HT108 ₹	\$3.95	\$3.49	\$2.95	\$2.59
215889	JE-2022C ≉	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226: Premium

- 12-20 AWG stranded: 10-18 AWG solid
- · Color: yellow
- 161234: Premium
- 16-26 AWG stranded; 14-24 AWG solid
- · Color: red



16-26 AWG stranded: 14-24 AWG solid • Color: red

161226

161234

Part No.	Prod. No.	Description 1	10
161226	ID45-215 ₹	Cushioned grips \$16.75	\$15.91
161234	ID45-216 ₽	Cushioned grips 17.79	16.91
161218	ID45-121 ≈	Non-cushioned grips 13.59	12.95

6.6" Wire Stripper

- · Wire stripper, cutter, steel wire cutter, and wire loop
- · Scale: AWG and mm
- · Strips and cuts wires from 20-30 AWG

(H)

• Size: 6.	b L X 2.0 W		•	-
Part No.	Product No.	1	10	50
159291	HT5023 ≉	\$9.95	\$8.96	\$8.06

(H) 7-in-1 Wire-Handling Tool

· Wire stripper, wire cutter,

- steel wire cutter, pliers and wire loop Solderless
- crimping tool Scale: mm and inch
- Size: 6.6"L x 3.0"W Blue Part No. = Limited Quantity Available



Automatic Wire Stripper

- Spring load gripSize: 7.0"L x 2.5"W
- · Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length

Part No.	Description	1	10	25
175098	Strips 8-22 AWG ₹	\$16.95	\$15.26	\$13.73

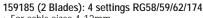
Rotary Coax Cable Strippers

2 and 3 Blade

159118 (3 Blade): 2 settings RG58/59/62

- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W





- · For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W
- · Color: gray

215889

Includes: Hex key wrench for adjusting blade



Part No.	Product No.	1	10	25
159118	HT312B (3 blade) ⊕	\$14.65	\$13.19	\$11.55
159185	HT332D (2 blade) ↔	13.95	12.56	11.30

Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W Weight: 0.8 lbs.

Includes: Cut and strip blade

Part No.	Cross Ref. No. 1	10
174684	TTK071⊕\$ 26.95	\$24.26

Telemaster Modular Connector Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Size: 6.0"L x 2.0"W Weight 0.8 lbs.

Includes: Cut and strip blade

moraucs.	Cut and Strip	Diauc	
Part No.	Product No.	1	10
161091	ID30-496 ≈	\$43.95	\$39.95

Ratchet Crimp Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

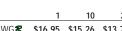
- Repeatable crimp action for consistent high-quality connections
- Size: 8.5"L x 2.2"W · Weight: 1.2 lbs.



ROHS compliant product 🕀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.

























RoHS Compliant Product RoHS Also Available



Professional Modular Connector Crimping Tool

- · Spring return action
- 6mm and 12mm stripping guide
- Crimp modular plugs
- without changing dies Crimps 10P10C, RJ45:
- 8P8C, RJ11 and RJ12: 6P6C, and 4P4C • Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.

Part No.	Product No.	1	10	25
181147	HT200⊕\$54	1.95	\$49.49	\$44.55



Modular Connector **Crimping Tool Set**

- · 8" metal modular crimping tool
- Cuts, strips and crimps
- Crimps RJ11 and RJ45 plugs
- · Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H

· Weight: 2.1 lbs.

Includes: 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C

73496 HT2000	OB⊕ \$74	.95 \$6	3.71 \$59.	07



Metal Modular Connector Crimping Tool

- · Cable stripper and wire cutter
- Size: 8.0"L
- · Weight: 1.8 lbs. · Crimps 6P and 8P plugs
- (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C) Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	25
114526	RJ11/RJ45 ⊕o	\$24.95	\$22.49	\$20.25

Ratcheted BNC Crimping Tool

- · Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043" 0.068", 0.100", 0.137", 0.213", 0.255'
- All steel construction





 Grade 410 A.I.S.I. stainless steel

· Illiee ic	cking position	5	1151	10	- 1
Part No.	Cross Ref. No.	Description	1	10	
115107	НЕМО1 ⊕	Straight \$	3.49	\$3.14	\$2
115115	HEMO2 (A)	Curved	2 05	2 54	

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- · For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Part No. Product No.





· Crimps D-sub pins and sockets

 For use w/ P/Ns 43377, 43369, pg 120 & 100766, pg 141

Size: 7.0"L x 4.0"W

Part No.	Product N	0. 1	10	25
159266	HT213 ₹	\$10.95	\$9.89	\$8.89



Nibbling Tool

- · Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum .375" hole required

• Size: 7.8"L

Part No.	Prod. No.	Description	1	10	25
18810	HT204 ₹	Nibbling tool	\$7.95	\$7.16	\$6.44
29331	HT204B ≈	Replacement bit	4.49	4.04	3.64



Ratcheted Modular **Connector Crimping Tool**

- Insulated grip
- Ratcheted type Metal • 7.5"L
- Crimps RJ45 (8P8C) and
- RJ11/12 (6P6C) Weight: 0.7 lbs.

Part No.	Description	1	10	2
159312	RJ45/11/12 ≉	\$21.95	\$19.95	\$17.9



RJ45/11/12 ≉	\$21.95	\$19.95	\$17.9

9-in-1 Pocket Multi-Tool

- Bottle opener · Metal file Flashlight
- Knife blade Nail pick · Wire cutter
- 2 handyman/long-nose pliers
- Phillips screwdriver
 Folded: 2.75"L
- Blue Part No. = Limited Quantity Available

art No.	Description	6/	1	
27264	9-in-1 pocket multi-tool o	\$2.	59	\$2.3

Connector Compression

Designed to compress ferrules of "F" /BNC/ RCA connectors. Black oxide steel frame with interchangeable



Part No.	Description	1	5
261761	Compression multi-tool ⊕	\$34.95	\$31.45

"F" Connector Compression Tool

Compresses RG-6 and RG-59 Snap-N-Seal type connectors.

· Lenath: 5"

Part No.	Description	1	
261753	Compression tool ⊕	\$29.95	\$28.4

25-Piece Hex Key Set

- 12-piece SAE long arm with sizes from 1/16" to 3/8'
- 13-piece Metric short arm with sizes from 1.5mm to 1cm



Part No.	Description 1	5
261825	Hex key set ⊕\$6.95	\$6.59

Automatic Center-Punch Tool

Adjustable

18810

- · Precision instrument
- · Alloy steel point
- Size: 5.0"L x 0.5"Dia. Knurled steel body

Part No.	Description 1	10	50
160282	Center punch tool ⊕ \$5.95	\$5.39	\$4.85

T-Handle Reamer Tool

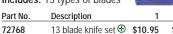
Excellent for aluminum chassis work

- · For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10	25
151750	T-handle reamer ₹	\$7.95	\$7.49	6.95

Deluxe Precision Knife Set

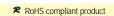
- · Three different knife handles - fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

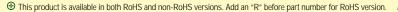




Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.





4-Piece Adjustable Wrench Set

Heavy-duty carbon steel wrenches with black industrial finish. Constructed with rugged I-beam handle and four-sided jaw design for better fit and strength.



 Length x jaw opening: 12" x 13/16"; 10" x 1³/₆"; 8" x 1"; 6" x 1¹/₁₆

Part No.	Description 1	5
261711	Adjustable wrench set \$11.05	\$9.90

2-Piece Tweezer Set

- · PVC insulated handles
- · Serrated tips for parts handling
- Bent tip and straight rounded tip (wide tip)

 Length 	: 5.8"			
Part No.	Description	1	10	25
253180	Tweezer set	\$2.59	\$2.33	\$2.09

4-Piece Steel Tweezer Set

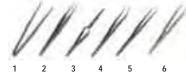




- 4 styles of stainless steel tweezers, one self-locking · Ideal for picking up small components in
- hard-to-reach places

Part No.	Description	1	10	50
10735	4-piece tweezer set ⊕	\$7.95	\$6.95	\$5.95

Tweezers



253163: Straight, round tapered, wide-point tip 252929: Straight round tapered, fine-point tip, stainless steel

252937: Self-closing reverse-action tweezers; medium point tip; stainless steel

253092: Curved fine-point tip

252911: Straight fine-point tip

253112: Fine-point tip, insulated, anti-static

Part No.	Length	Photo	1	10	25
253163	4.5"	1	\$.89	\$.79	\$.73
252929	4.75" 🟵	2	2.25	1.99	1.79
252937	4.3" 🕀	3	2.25	1.99	1.79
253092	4.6" 🗷	4	2.25	1.99	1.79
252911	4.75" 🟵	5	2.25	1.99	1.79
253112	4.75" 🕀	6	2.25	1.91	1.43

Strip-Wrap-Unwrap Tool

- · Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 104 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Cross Ref. No.	1 10	25
34585	HSM30 (Modified) ⊕ \$49.99		
236785	HSR30 (Regular) ⊕ 30.55	25.97	19.47

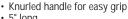
30 AWG Wire Wrap/Strip Tools

242798

(y) **(SP**

Modified

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.



• 5 10119			J	
Part No.	Description	1	10	25
242801	Tool (regular)	\$19.95	\$18.49	\$15.95
242798	Tool (modified)	. 21.95	19.95	17.15
242835	Replace stripper assembly	5.49	4.67	3.50

Digital Display Calipers

Metric and Inches

- Hardened
- stainless steel Display: inches to
- 0.001; mm to 0.01 Instructions for making internal, external, depth &
- step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 250)

Part No.	Description	1	10	25
127482	Digital disp. calipers ⊕	\$64.95	\$55.21 \$4	41.41

Quantity SAVE

Metal Dial Calipers

Choose Metric or Inches

- · For accurate measurements every time
- · Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal.
- Color: silver

Includes: Fitted plastic storage case

	includes. Titted plastic storage case				
	Part No.	Description (min. reading) 1	10	25	
	116134	Metric (.02 mm) ⊕ \$29.95	\$26.96	\$24.26	
	116126	Inches (.001 inch) ⊕ 29.95	26.96	24.26	
)	684449	Metric/Inches 43.75	39.35	35.41	

Impact Punch-Down Tools

- · Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071: Tool with blade

- For 66-type terminalsSize: 5.2"L x 1.5"W x 1.0"H
- 324013: Tool with blade
- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H



175089: Punch-down blade 110-type terminals

Part No.	Description 1	10
175071	Tool with 66 blade⊕\$34.95	\$31.46
324013	Tool with 110 blade ⊕ 37.39	28.04
324021	Punch-down blade 66 ⊕ 14.95	13.49
175089	Punch-down blade 110 ⊕ 14.95	13.49

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- · Straightens 8/14/16/ 18/20/24/28/40/42-pin ICs
- Materials: black plastic
- Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener ≈	. \$6.95	\$6.26	\$5.63

The Right Tool for the Job



down cables, stripping insulation or crimping wires? Little nicks in the insulation can creep and become big reliability problems later on. Not good for referral and repeat business.

When you think about the cost to get a customer in the first place, you realize you can't afford to lose any of them, particularly to risks that can be substantially reduced at a relatively low cost. Plus, in the business world, you rarely use a tool for just one job, so the amortized cost can be really low.

> Practical Practices Money Saving Tips for the Engineer

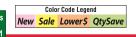
Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at <u>www.Jameco.com</u>



This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS Compliant Product RoHS Also Available



3X, 3-Bulb Magnifying Lamp

Adjustable rectangular 3-diopter lens allows independent movement of the lens for best lighting and viewing angles. Three 9-watt compact

fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

47" long arm
2 on/off buttons

Color:	beige	 UL listed 	• We	eight: 8.	15 lbs.
Part No.	Descri	ption	1	10	25
217517	Adj. m	agnifying lamp	. \$79.95	\$74.95	\$69.95

3X Magnifying Lamps

- · 45" extension arm
- Supplied with 22-watt circuline tube
- · New wire clip design permits easy installation Extra strong, all-metal
- mounting base with electrical outlet Metal bulb holder for extra protection
- Power reg.: 110VAC/60Hz
- 3-diopter lens · Weight: 7.3 lbs.

Part No.	Description	1	10	25	
100829	Black lamp \$59	9.95	\$53.95	\$49.95	
149981	White lamp 59	9.95	53.95	49.95	
149981	writte tarrip	7.95	33.93	4	9.95

Standard Adjustable 3X Magnifying Lamp

- · 4" Diameter lens
- · Maneuverable 30" arm extension
- · Lamp tilts & turns in any direction Uses 60W incandescent bulb
- (not included) · Power requirément:
- 110VAC/60Hz
- · 3-diopter lens
- · Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710	Magnifying lamp	\$26.49	\$25.19	\$23.89

(jr) **(j**j

Precision 5 Diopter Magnifying Lamp

The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.



Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456	Magnifying lamp ₹	\$109.95	\$98.95	\$88.95

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs,

 Size: 2.9"L x 0.6"W One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips

Part No.	Description	1	10
88268	Vacuum pick & place kit ⊕	\$32.95	\$29.65

4-Piece Conductive SMD Tweezer Set



 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip

Each is 4.5" long

Part No.	Description	1	10	25
172638	4-piece tweezer set ⊕	\$11.95	\$10.95	\$9.95

PLCC Surface Mount (H) and DIP IC Extractors





Size: 4.0"L x 2.0"W (both)

Part No.	Product No.	Description 1	10	100
16766	HT103B ⊕	PLCC \$3.95	\$3.55	\$3.19
16838	HT103A⊕	DIP 1.49	1.25	1.09

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.

Anti-Static Equipment

Anti-Static Plastic DIP IC Storage Tubes and Rubber Rail Stops

Thin tube (rail) fits 8, 14, 16, 18, 20 and 22-pin integrated circuits. · Length: 23.75"

Rubber stops used to plug plastic rail ends



* Prepackaged: please order in increments of 10

Part No.	Cross Ref. No.	Description 1	10	100
29516	RIC20	Thin rail \$.49	\$.44	\$.40
29583	RRS	Rubber stop *	.08	.06

Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



236541

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10576	11.3" x 22" ≉	0.7	. \$9.95	\$8.96	\$8.06
10584	19.5" x 23.5" ≉	1.1	. 13.95	12.59	11.35
236541	23.5" x 27.5" 2	1.4	24.95	22.49	20.19

Protective Coiled Grounding Wrist Strap

- · Comfortable, adjustable Velcro wrist strap The coiled cord has banana
- plug and alligator clips
- Extended cord: 9' long
- · Color: black

Includes: $1M\Omega$ resistor for added safety

Part No.	Description	1	10	100
34552	Anti-static strap₹	\$6.49	\$5.85	\$5.29

Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24.0"L x 12.0"W x 0.25"H

Part No.	Description 1	5
13864	Anti-static foam ⊕\$9.29	\$8.35
78650	8" x 10" anti-static bags ⊕	.59

Anti-Static Heel Strap

- Discharges static without restricting your mobility
- Ideal for anyone handling static sensitive devices
- Ground strap: 15.5"L

Part No.	Description 1	10	100
100327	Heel strap ⊕ \$5.49	\$4.99	\$4.55

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.





RoHS Compliant Product RoHS Also Available

45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F Fully grounded
- · Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- · Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H
 Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description 1	10	25
229673	XYT379-C ₹	45-Watt soldering station \$59.95	\$53.95	\$48.95
156814	XYB01 ≈	Sharp conical chisel 1/32" tip 4.95	4.49	3.95
156822	XYB04 ≈	Conical chisel 1/16" tip 4.95	4.49	3.95
134631	SP715	Replacement sponge2.99	2.69	2.49

60-Watt Desoldering & Solder/Desoldering Stations



- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes

125508:

• Size: 9.2"L x 7.2"W x 3.6"H

· Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

• Size: 11"L x 10"W x 4.0"H; Wt.: 18.1 lbs.

Includes: XYD12 tip, solder holder, tip cleaner and tweezers

134631	SP715	Replacement sponge	2.99	2.69	2.49		
Designe where p required • Temper	d for solder recise temped for sensitiv	re components. tained at ±6°F		Safe!	5% Bu Complete ISC P/N 23 Sold sep Combined	Special ndle Savine 9000 digital st 6101 & 12550 parately \$409. di P/N 207263 \$388.95	ation – 8 90
control	from 392° to	878°F	1/4	2361	101	Part No.	Pr
	al calibration p devices prote				19627	125508	96
	voltage spike		168401	700	A Committee	125516	98
 Power- 	on and heater	r-on LED indicators	100401	<i>a</i>	ARCH.	207271	TV
 Size: 5. 	1"W x 8.0"D >	4.0"H • Weight: 4.	8 lbs.	FC 4		207221	D´
Includes	: One 1/16" tip	o (P/N 35115 – below)			~	168583	46
Part No.	Product No.	Description	1	10	25	168591	46
236101	XY9-60D/ESD	Digital soldering station	n – ESD safe \$109.95	\$99.95	\$89.95	236460	78
219627	XY9-60A ₹	Analog soldering station	n 99.95	89.95	79.95		
168401	TWZ50ESD	SMD tweezer iron w/ 0.	078" tip 74.95	67.46	60.71		

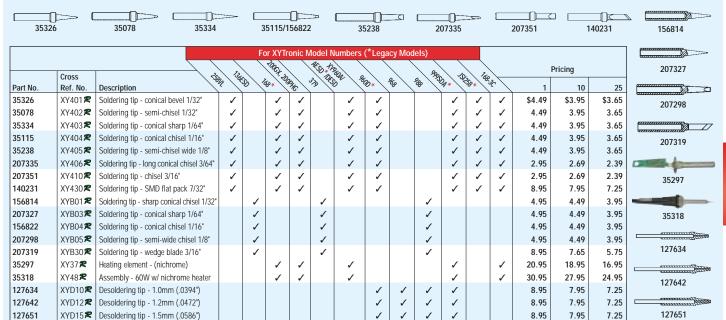
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Part No.	Product No.	Description	1	10	25
236101	XY9-60D/ESD 🕿	Digital soldering station – ESD safe	\$109.95	\$99.95	\$89.95
219627	XY9-60A ≈	Analog soldering station	99.95	89.95	79.95
168401	TWZ50ESD ≈	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583	46-060102	Tip .078" for P/N 168401	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 168401	12.95	11.69	10.49
236460	78-744615	Replacement sponge for both stations .	2.99	2.69	2.49

Part No.	<u> </u>	Product No.	Description	1	10	25
125508		968₹	Desoldering station	299.95	\$269.99	\$242.99
125516		988₹	Solder/desoldering station	399.95	359.99	323.99
207271		TWZ60ESD ≉	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221		D1A60A ≉	Replacement desoldering iron	74.95	63.71	58.20
168583		46-060102	Tip .078" for P/N 207271	11.95	10.79	9.69
168591		46-060115	Tip .590" for P/N 207271	12.95	11.69	10.49
236460		78-744615 	Replacement sponge for all stations	2.99	2.69	2.49

Replacement Sponges for Legacy Models

Part No.	Product No.	FOR Station		10	100
134640	SP815 ≉	168-3C	\$2.99	\$2.55	\$1.95
134631	SP715	XY-60D, XY-379 & P/N 229673	2.99	2.69	2.49

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



www.Jameco.com

Our enhanced website offers over 65,000 new products. Find products quickly and order them easily.

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1. Lower \$\$\$

Weller 40-Watt Soldering Station

- · Lighted on/off switch
- · Adjustable power from 5 watts to 40 watts
- · 120V @ 60Hz
- · Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip and manual

Part No.	Prod. No.	Description	1	10
146595	WLC100₹	Soldering station	\$46.39	\$44.06

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

146608		146616 146624		24
Part No.	Prod. No.	Description	1	10
146608	ST1 ₹	Screwdriver tip 1/16"	\$5.45	\$4.86
146616	ST3 ₹	Screwdriver tip 1/8"	5.45	4.86
192145	ST6 ₹	Screwdriver tip .031"	5.54	4.86
146624	ST7 ₹	Conical tip 1/32"	4.45	4.26

42-Watt Controlled-Weller **Output Soldering Station**

· Transformer powered soldering station complete with macro style, low voltage, temp. controlled soldering iron

Size: 5.9"L x 4.5"W x 3.6"H

- · Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components • 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- · Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord Uses PT series tips

· Weight: 4.0 lbs.

Includes:	Soldering	iron and PIA/	tip (below)
Part No.	Prod. No.	Description	1

Part No.	Proa. No.	Description	1	10
170552	WTCP ≉	Solder station \$13	5.95	\$129.95
192161	TC201T ₹	Replac. iron 7	2.69	69.23
192170	PTA6₹	.062" screwdriver tip		
		(600°F)	5.75	5.46
192188	PTA7 ₹	.062" screwdriver tip		
		(700°F)	5.69	5.15
192196	PTA8 ₹	.062" screwdriver tip		
		(800°F)	5.69	5.15

60-Watt Analog Display Soldering Station

Maintains a steady temperature using a cartridge heating element, providing a longer life for the solid soldering tip.

- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes Size: 4.3"W x 6.0"D x 3.4"H · Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115, pg 295) 236460: Replacement sponge

		1 3		
Part No.	Product No.	1	10	25
236110	168-3C ≉	\$89.95	\$79.95	\$72.95
236460	78-744615 	2.99	2.69	2.49

50-Watt Analog & Digital **Display Soldering Stations**

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

 Tip temperature offset capability allows user to reset temperature readings to match tip size and style



Auto power-down after 90 minutes of inactivity

233533

- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H
 Weight: 4.0 lbs.

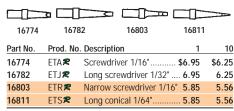
Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description 1	10
217461	WES512	Analog \$115.95	\$105.95
233533	WESD51 ₹	Digital 158.95	150.99

Weller Soldering Tips Replacement Tips for WES51 & WESD51

Tip leakage: less than 2mV

- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered Lower \$\$\$



SMD Tweezer Iron

- · Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760°F
 120VAC
- Heater insulation exceeds 100MΩ
- · Heater power consumption: 35W ea.

iliciuues.	0.095 tip	(טֶרַ)	168	583	
Part No.	Description	<u> </u>	1	10	2
168410	Tweezer iron:	2 \$59	.95	\$53.95	\$48.9
168583	Tip .078"2 .	11	.95	10.79	9.6
140501	Tip EOO"	12	OE	11 40	10 4



Weller

ESD-Safe, Lead-Free Soldering Station

The ideal tool for service and repair technicians as well as production line soldering operators.



- for RoHS-compliant soldering
- ±3°C temp. stability 100W, 115/230VAC 50/60Hz
- Temperature adjustable 0-45°C (0-85°F)
- 24VAC Hi-Recovery nichrome heating
- Auto power down idle circuitry, 15-min non-operation
- · 45 second ramp time to max temp setting Full digital LED readout in both °C and °F
- · Easy external calibration port
- Slimline ergonomic pencil design for maximum dexterity and comfort
- Revolutionary "Zero Voltage" electronic switching design protects voltage and currentsensitive components against damaging current and transient voltage spikes
- Pb-free (lead-free) soldering application qualified
- Size: 6.1"W x 6"D x 4"H · Weight: 8.0 lbs. Part No. Description 1 667551 LF-1000 soldering station ₹ \$199.95 \$179.95

Weller Soldering Tips

Replacement Tips for WSL

£			\subseteq	
2335	576	233550	2335	541
Part No.	Prod. No.	Description	1	5
233576	NT1X ≈	0.8mm bent roun	d \$10.85	\$10.17
233550	NTA ?	0.6mm chisel	8.95	8.43
233541	NT1 ≈	0.25mm micro	8.95	8.44



SMD Rework Station

- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Long-life ceramic heating element
- Rapid heat-up and recovery
- · Thermocouple sensor for
 - stable temperature Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element Weight: 2.6 lbs

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629	Rework sta	tion ≉ \$89.95	\$80.99	\$72.85
168583	.078" tip 	11.95	10.79	9.69
168591	.590" tip 	12.95	11.69	10.49

· Output current: 1.5A (2A peak)

On/off switch

24V soldering iron

vellemen

3-in-1 Lab Center

Your space saving lab solution! Everything you need in one unit. **Digital Multimeter:**

- 3-1/2 backlit LCD

 - AC voltage ranges: 200V to 600V DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to $2M\Omega$ Diode, transistor and continuity tester
- · Automatic polarity indication

168410

- DC voltage ranges: 200mV to 600V
 Data hold function and buzzer
- Regulated Power Supply: Selectable output voltages: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- LED overload and power indicators
- **Soldering Station:** 48W ceramic heating element with temperature sensor
- Temperature range: 150°C to 450°C

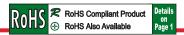
Part No. Product No. Description 695025 LAB1 3-1/2 digital multimeter, regulated power supply and soldering station \$172.95 \$163.97

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

🗷 RoHS compliant product 🔀 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.









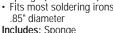
16 to 30-Watt Variable Soldering Iron, Stand & Sponge

116572:

· Length: 7.5" 36329:



· Fits most soldering irons





Part No.	Description	1	10	100
116572	Soldering iron ₹ \$16	.95	\$15.29	\$13.75
36329	Soldering stand 4	.95	4.46	4.01
134631	Sponge (for P/N 36329) 2	.99	2.69	2.49



Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.



- 120VAC; 6' cord 25-watt power consumption
- Interchangeable tips (pg 295)
 UL listed
- Length: 8.0" One-year warranty

Quantity SAVE Includes: 1.6mm conical tip Part No. Description 10 129040 25W solder. iron**₹ \$11.49** \$9.77 \$7.32

Weller

High-Quality 25-Watt & 35-Watt Soldering Irons

170587

192153

192081

 Interchangeable heater elements

· Lightweight handle with cushioned grip

· Quick change knurled collar · Length: 9"

 120VAC @ 60Hz Includes: Power cord & ST3 tip (pg 296)

Part No.	Product No.	Description	1	10
170587	WP25 ₹	25W solder iron	\$32.95	\$31.35
192102	WP35 ≈	35W solder iron	39.95	35.95
192153	PH25₹	Solder iron stand	17.59	16.95

Weller 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700°F tip is 110 seconds
- 120VAC @ 60Hz input
- · Length: 6" · Weight: 0.7 lbs.

Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Prod. No.	Description	1	5
192081	W100PG ≈	Solder iron	\$62.95	\$59.79
192090	CT6F7 ₹	.375" scrwdrvr tip	8.59	7.75

Vacuum Pen Tools

· ESD safe body

· Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	10	25
207239	Handivac tool ₹	\$19.99	\$16.99	\$12.74
207247	Pen vac tool ₹	37.95	34.25	30.49



30-Watt Soldering Iron and Stand

- UL approvedIdeal for precision work
- . 1/4" removable tip
- · Length: 8.3" • 110-120VAC

	 -		
		102462	
		36329	(UL)
1	1	10	100

208987

208995

Part No.	Description	1	10	100
102462	30W soldering iron ≉	\$4.99	\$4.49	\$4.04
116020	Replacement tips (2) ⊕	2.25	1.91	1.43
36329	Soldering stand	. 4.95	4.46	4.01

35-Watt Soldering Iron

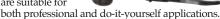
- UL approved Ideal for maintenance
- and hobby use 0.157" removable tip
- Length: 8.1"
- 110-120VAC

Part No.	Description 1	10	100
208987	35W soldering iron ⊕ \$2.99	\$2.69	\$2.45
208995	Replacement tips (2)99	.84	.63
209075	Solder roll, 8mm (.031") ₹ 13.25	12.59	11.99



Economical, High-**Performance Soldering Irons**

High-quality soldering irons that are suitable for



• 25W, 40W, & 60W · Length: 9"

120VAC: 6' cord with 3-prong plug

Tips for 224611/224602: 226000 chisel; 226018 conical

Tips for 195223:

226026 chisel; 226034 conical Product No

raitivo.	FIOUUCI NO.		10	23
224611	200PHG-25W ₹	\$7.95	\$7.15	\$6.45
224602	200PHG-40W ≉	8.95	8.06	7.25
195223	200PHG-60W ≉	13.95	12.49	12.11
226000	44-240517 tip ≉	95	.81	.61
226018	44-240513 tip ≉	95	.85	.79
226026	44-240617 tip 🕿	1.95	1.79	1.59
226034	44-240603 tip ≉	1.95	1.79	1.59

Weller Cordless Soldering Iron Kit

- · Self igniting and instant heat
- Adjustable temperature (25W to 125W)



- · Auto switch off Visible gas level · Additional tips can be special ordered
- · 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Prod. No	Description	1	5
152207	PSI-100K ≉	Tool kit	\$79.95	\$75.95

Quantity SAVE

(ایار)







Butane-Powered Cordless Soldering Iron and Tips



This butane-powered soldering iron is designed for many popular cordless applications. Most common are automotive repair, aviation, electrical components, field repair, shrink tubing, television repair and more.

- · Cordless, simple operation in the shop or field
- · No electrical interference
- Automatic ignition
- · Up to 200 minutes of operation in a full load
- · Soldering temperature range: 240°F to 1000°F
- Torch temperature: 2400°F

Part No.	Cross Ref. No.	Description	1	5
255266	PRO-120 ₹	Soldering iron	\$44.95	\$42.69
255273	PS-1⊕	Tip, 1/32" flat	8.35	7.95
255302	PS-3⊕	Tip, 1/8" flat	8.99	8.75
255329	PS-5⊕	Tip, 1/32" chisel .	8.99	6.74
255337	PS-6⊕	Tip, 3/32" chisel	8.99	8.75
255362	PS-9 ≉	Tip, hot knife	8.99	8.75
255370	PS-10 ⊕	Tip, hot blower	8.99	8.75

vellemen

Butane Powered Cordless Soldering Iron

- · Cordless, simple operation
- · Built-in on-off switch
- · Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- · Average use of 40 minutes on a full load

Part No.	PIOU. NO.	Description	10
645520	GASIRON2	Soldering iron \$29.55	\$28.15
645554	GASIRON2/SPB	Replacement tip 1.79	1.69

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering! IsoTip® Power Pro Model #7904

- 900°F tip temperature
- · LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron · Weight: 1.1 lbs.

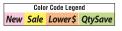
Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No. Description 132783 Power Pro cordless iron ⊕ ... \$65.15 \$62.02

Committed to You

We're committed to providing you with the best service in the industry.

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product



RoHS Compliant Product RoHS Also Available



Electric & Manual Desolder Pumps

19255

305226

305218

19166





19255:

· UL listed · One-hand operation

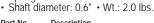
 Size: 10.5"L x1.0"Dia. 19166: Size: 7.8"L x 0.8"Dia.

305218/305226: Size: 13"L x 1.0"Dia.

Part No.	Description	1	10
19255	Electric desolder pump₹	\$26.95	\$23.95
19166	Manual desolder pump ⊕	4.95	4.49
305218	Man. desolder pump (ESD safe)₹	18.95	17.99
305226	Manual desolder pump ₹	14.75	13.99
19262	1 tip for 19255 ⊕	4.95	4.49
22091	2 tips for 19166 ⊕	4.49	3.95
307774	1 tip for 305218 ?	4.55	4.35
307782	1 tip for 305226 🗷	2.39	2.27

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L





included

Solder not

included

Solder Spool Stand

- · 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H Shaft dia.: 0.6" · Weight: 1.6 lbs.

Part No. Description 100 \$6.95 141761 Solder spool stand ⊕ ... \$8.95 \$7.95

Soldering Kit

A perfect soldering tool kit for technicians and maintenance professionals doing solder work in the field. This kit includes:



100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/component holder, lead solder, and soldering aid tool.

• Size: 13.8"L x 11"W x 3"H • Weight: 4.0 lbs.

Part No.	Description	Price
684596	GSR-600A	\$32.55

Modern Solder Technology For Competitive Electronics Manufacturing Book

McGraw-Hill

This book covers all relevant technologies for the application of solder in electronic and microelectronic packaging and assembly. Includes a proper level of underlying fundamentals that areimportant to practical applications. (622 pages, 1996)





Part No.	Description	Price
677951	Modern Solder Technology Book	\$85.45

Solder Bars

 Used with solder pots 170464 Size: 13"L x 0.9"Dia. **176057**: 60/40 170464: 63/37

668406: 99.3% tin, 0.7% copper 668414: 96.3% tin, 3.2% silver, 0.5% copper 668422: 96.5% tin, 3.5% gold

Part No.	Description V	/t. (lbs.)	1	10	25
176057	60/40 ↔	1.1	. \$8.49	\$7.65	\$6.89
170464	63/37 ↔	1.8	. 11.95	11.33	10.77
668406	99.3/.7 🗷	2.2	. 33.79	31.95	30.11
668414	96.3/3.2/.5 🗷	2.2	67.89	61.69	55.53
668422	96.5/3.5	2.2	. 73.99	67.24	60.52

300-Watt Solder Pots

Temperature Regulated Between 420°C and 450°C

- · HI/LO temperature switch 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057 or 170464, above
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) Weight: 5.9 lbs. Size: (tub) 2.4"Dia. x 1.6"D
 One-year warranty

Part No.	Description	1	10	2
160304	300W solder pot₹	\$64.95	\$58.49	\$52.6
660042	200W solder not ?	146 05	120 50	122 6

600-Watt Solder Pots

Temperature Adjustable

- 172276 · 2-wire power cord (5'5")
- Temperature: 0°C to 500°C · Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- · On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 or 170464, above
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D · Weight: 7.4 lbs.

Includes: Skimmer and removable dross tray

Part No.	Description 1	10
172276	600W solder pot ₹ \$189.95	\$146.25
668051	600W solder pot ? 291.59	276.09

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 or 170464, above
- · 3 conductor pigtail power cord: 5' long
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. · One-year warranty

Part No.	Description	1	5
149876	2000 watt solder pot ⊕	\$399.95	\$359.95

Electronics Manufacturing Book

McGraw-Hill

This comprehensive guide provides cutting-edge information on lead-free, halogen-free and conductive-adhesive technologies and their application to low-cost, high-density, reliable, and green products. Essential for professionals who wish to master lead-free,

halogen-free, and conductive-adhesive problem solving methods. (592 pages, 2003)

Size: 9.2" x 6.3"

Part No.	Description	Price
677994	Electronics Manufacturing Book	\$91.95

Fume Extractor

Designed to remove solder flux fumes and other work place fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.



• Power: 20W · Arm length: 29"

• Fan specifications: 50dB S/N ratio; 87cfn

• Size: 8.3"H x 8.3"W x 5.3"D · Weight: 3.3 lbs.

Part No.	Product No. 1	10
667420	GS-630A \$54.09	\$51.25
672579	GS-628-08 (carbon filter 3pk.) 15.99	14.39

Weller **Fume Extractor**

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quite fan, it can process up to 1.37 cubic meters of air per

minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Voltage: 120VAC
 Sound level: 45-50dB
- Air consumption: 87-107CFM UL/CUL listed
- Power consumption: 20W ESD safe
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
- Size: 10"L x 6.5"W x 11"H · Weight: 4.2 lbs.

Part No.	Product No.	5
684810	WSA350\$47.95	\$44.95
684828	WSA350F (carbon filter) 7.15	6.79

Fume Extractors

Absorbs noxious lead fumes using activatedcarbon filter and a high-efficiency fan

- · Operate continuously providing filtered air
- Static ground jack
 Fuse protected
 Air flow: 115 CFM
 Noise: 49dB fan
- · 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. One-year warranty

Includes: Detachable power cord

Part No.	Description	1	10	25
120150	Fume extractor ₹	\$58.95	\$52.95	\$47.79
127183	Replace. filters (2/p	k) % 12.9 5	11.66	10.49

Combination 42-Watt Soldering **Station and Fume Extractor**

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- · Electronic zero-voltage switching Input voltage: 100-120VAC @ 60Hz

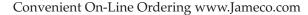
activated filter, power cord and manual

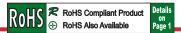
• Size: 6.4"W x 7.8"H x 4.7"D · Weight: 5.2 lbs. Includes: Soldering iron, iron holder, sponge, carbon

Part No.	Product No.	1	10
183169	456DLX 2	\$89.95	\$86.29









Soldering Tip Cleaner with Stand and Rosin Paste Flux

156777:

· For cleaning soldering iron tips without the use of water and sponge Metal wool for cleaning



Rubberized base for stability

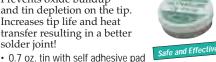
73584: Highly active non-corrosive and non-conductive flux with excellent wetting action

Part No.	Description 1	10	50
156777	Tip cleaner & stand ₹ \$4.95	\$4.49	\$4.05
160004	Metal wool replacement ₹ 2.79	2.49	2.29
73584	Rosin paste flux (2 oz.) ⊕ 2.95	2.36	1.77



Lead-Free Solder Tip Tinner

Prevents oxide buildup and tin depletion on the tip. Increases tip life and heat transfer resulting in a better solder joint!



Part No.	Description	1	10	50
132986	Lead-free tip tinner⊕	\$4.95	\$4.59	\$4.19



5' No-Clean **Desolder Braids**

Meets all of the most stringent soldering standards for worldwide application including: MİL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002. · Length: 5'



. 3				
Part No.	Description	1	10	100
139951	.030"W desolder braid₹	\$2.79	\$2.49	\$2.09
124126	.055"W desolder braid ₹	2.55	2.33	2.11
124118	.075"W desolder braid≉	2.59	2.33	2.11
263708	.098"W desolder braid ?	2.89	2.64	2.51

5' Desoldering Braids

· Easy-to-use, handy dispenser

· Braided copper

with flux	X	41099		
Part No.	Description	1	10	100
41082	.079"W braid (5') 🛪	\$ \$1.49	\$1.27	\$.95
41099	.098"W braid (5') €	9 1.55	1.29	1.15
153461	.120"W braid (5')	9 1.59	1.39	1.25

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242









Rosin Core Solder Rolls and Pocket Packs

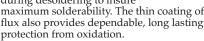
			% Cor	npositio	n	Dia.	Wt.		Pric	ing	
Part No.	Manufacturer	Tin	Lead	Silver	Copper	(in.)	(lbs.)	1	10	50	100
668078	- ≉	99.3	_	_	0.7	0.04	0.6	\$10.45	\$8.64	\$8.20	\$7.79
668262	— %	96.3	_	3.2	0.5	0.04	0.6	17.69	14.15	13.58	13.00
668271	- ₹	96.5	_	3.5	_	0.04	0.6	15.95	14.40	14.20	13.97
668289	− ≈	99.3	_	_	0.7	0.04	1.1	19.39	15.69	14.91	14.16
668297	− ≈	96.3	_	3.2	0.5	0.04	1.1	29.95	27.50	26.75	25.99
668318	− ₹	96.5	_	3.5	_	0.04	1.1	27.79	25.60	25.08	24.56
668326	_	99.3	_	_	0.7	0.04	2.2	38.75	31.39	29.82	28.33
668334	— %	96.3	_	3.2	0.5	0.04	2.2	57.19	46.66	44.33	42.78
668342	_	96.5	_	3.5	_	0.04	2.2	65.45	62.18	59.07	56.12
141794	Super⊕	60	40	0	_	0.031	0.55	5.95	5.39	4.85	4.35
141786	Super⊕	60	40	0	_	0.031	1.10	7.95	6.95	6.25	5.82
141778	Super⊕	60	40	0	_	0.031	2.20	14.69	13.95	13.33	12.80
170457	Golden ≉	60	40	0	_	0.031	0.06	1.39	1.25	1.05	.99
73576	Kester (pak)⊕	60	40	0	_	0.031	0.04	2.59	2.33	2.10	1.75
32117	Kester⊕	60	40	0	_	0.031	1.00	13.55	12.25	11.05	9.95
73605	Kester (pak)	62	36	2	_	0.020	0.02	1.25	.99	.97	.96
112344	Kester⊕	63	37	0	_	0.020	1.00	19.49	18.50	18.27	18.14
151474	Kester*	63	37	0	_	0.031	1.00	18.39	16.55	14.89	13.39

TEGHSPRAY ProWick® Desoldering Braids

Pure Rosin

Organic core

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure



• 263581 with bobbin • Length: 5'

Part No.	Product No.	1	10	100
263695	1803-5F (0.075"W) ≈	\$2.09	\$1.90	\$1.80
263599	1804-5F (0.098"W) ₹	2.39	2.25	2.04
263581	1811-5F (0.098"W) ≉	2.65	2.47	2.25

Angled Bottle

An 8 oz. squeeze bottle made of polyethylene plastic that is ESD safe. Nozzle is angled making it easier for applications in tight places.

Part No.	Description 1	
667471	Angled bottle\$7.45	\$7.

Flux Dispensing Bottle with **Capillary Needles**

An 8 oz. squeeze bottle made of polyethylene plastic that is ESD safe. Comes with capillary needles in 0.01" and 0.02 diameters, adapter for needles, squirt nozzle and cover.

Part No.	Product No. 1	10
667489	RD-7372A \$6.79	\$6.45

Plastic Pump Bottle

6 oz. bottle

ESD compliant

• Plastic	Dottie with
dispen	ser cover
Dart No	Description

dispens	ser cover			
Part No.	Description	1	10	50
158131	Pump bottle 🗷	\$9.95	\$8.95	\$7.95

Clip-On Heat Sink

 Absorbs and dissipates heat during soldering and desoldering sensitive parts Size: 2.7"L x 0.7"W



56⊕\$2.	.65	\$2.38	\$2.15
	56⊕\$2	56⊕ \$2.65	56⊕ \$2.65 \$2.38

7-Piece Soldering Aid Kit



Includes soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	50
100503	Soldering kit⊕	\$5.95	\$5.35	\$4.82

Heat Sink Compounds

Thermally loaded silicone-based grease that improves transfer of energy across the metal-tometal interface between transistor or rectifier and heat sink.



· Color: opaque white 236823 Part No. Mfr. Part No. 100 167249 THM250 (2 oz.)⊕ \$9.95 \$8.96 \$8.06 236823 54114 (1 oz.) **2** 4.95

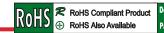
Heat Sink Compound 4-oz. Tube

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.

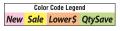


Part No.	Product No.	1	10
169252	1978DP 🗷	\$17.99	\$17.19

ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.







GC **Heatsink Compounds**

Silicone (Z9)

Industry standard zinc oxide-filled silicone heatsink grease for most applications. Will not



soften at elevated temperatures, dry out or harden. Meets MIL SPEC C-47113

Part No.	Prod. No.	Description	1 10	100
615304	10-8106	1 lb. can \$29.0!	\$27.03	\$23.71
615312	10-8108	6.5 gram tube 2.29	2.13	1.87
615321	10-8109	1 fl. oz. tube 6.3!	5.89	5.17

Type 44 Non-Silicone

Compounded with 100% synthetic base stocks. Features excellent heat transfer, efficiency, thermal stability, high flow rate, no separation, bleed or migration typical of silicone-based greases. MIL-C-47113 type 2



615339

Part No.	Prod. No.	Description	1	10	100
615339	10-8118♠	1/2 oz. jar	. \$7.85	\$7.27	\$6.37
615347	10-8120	1 fl. oz. tube	8.49	7.95	7.42
615355	10-8126	1 lb. jar	. 40.29	37.51	32.89

HTC (High Thermal Conductivity)

High conductivity formula has all the same benefits of conventional heatsink greases, plus it is exceptionally stable in high humidity applications.

Part No.	Prod. No.	Description	1	10	100
615363	10-8135♠	1 oz. syringe	\$11.49	\$10.68	\$9.37

Implementing Lead-Free **Electronics Book**

McGraw-Hill

This book provides timely information on the choices and trade-offs facing manufacturers converting to lead-free manufacturing. This book is laid out as a quick guide, providing successful examples in conjunction with the basic



principles of the implementation and production of lead-free electronics on a global basis. (473 pages, 2005)

• Size: 9.3" x 6.2"

Part No.	Description	Price
577986	Implementing Lead-Free Electronics	\$89.45

PANAVISE Vacuum Vise

- · Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs. · One-year warranty

Part No.	Product No.	1	10
27131	M381⊕	\$55.95	\$53.25

Vacuum Vise Quantity SAVE

- · Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs. One-year warranty

Part No.	Cross Ref. No.	1	5
262115	GV-300 ⊕\$47.	19	\$35.39

PANAVISE PV Jr. Vise

- · Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350°F
- · Vertical/horizontal jaw grooves
- · Fine/course adjusting knob
- Vise height: 6.8"
- · The vise neck tilts, turns and rotates
- · Base bolt is 4.3" and fits all PanaVise base mounts
- · Weight: 1.4 lbs. One-year warranty

Part No.	Description 1	10
134439	Jr. vise w/ mountable base⊕ \$21.95	\$19.95

Clamp Vise

- No tools neededfinger turn to tighten
- Ball cup allows vise to adjust to any angle
- · Nylon jaws open 2"
- Size: 10.0"L x 2.5"W
- · Weight: 2.1 lbs. Part No. Description 10 127167 Clamp vise 3 . \$16.99 \$17.95

Third Hand

- · Frees hands for soldering
- · Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- · Quick and easy rotation
- Sturdy, heavy base
- · Weight: 0.7 lbs.

Part No.	Description	1	10	50
26690	Third hand ⊕ \$5	.95	\$5.35	\$4.79
681002	Third hand 8	3.75	7.89	7.15

681002

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

PANAMSE Electronic Work Center

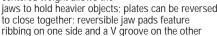
- Circuit board holder, standard base. tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- · Weight: 5.3 lbs.

One-year warranty

Part No.	Description	1	5	10
27060	Electronic center⊕	\$74.95	\$71.25	\$67.95

PANAMISE Multi-Purpose Work Center

- · One of the most versatile combinations, perfect for home or hobby needs
- Jaws open to 9'
- · Double action extra wide self-centering heads allow fast opening and closing; centered weight allows the



- Patented single load control knob and split-ball feature firmly lock the head into place
- Base has three 1/4" countersunk mounting holes
- Part tray base contains six integral parts wells with rounded and sloped walls for easy parts removal
- Overall base diameter is 8.5

Part No.	Product No. 1	5
684852	350 ≉ \$ 79.95	\$74.95

Rapid Assembly Panavise **Circuit Board Holder**

- Features 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds and component insertion
- · Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently and may be positioned adjacent to each other
- 10" high (from base to top of vertical shaft) Stable weighted base · Weight: 6.4 lbs.

Part No.	Produc	t No. 1	5
684844	333₹	\$69.95	\$63.95

PANAMISE Vacuum Base Vise

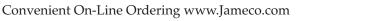
- Lever locks vacuum pad into place on any flat, smooth, non-porous surface
- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/coarse adjustment knobs control jaw pressure
- Arm movement is 140°; positive indents control movement to prevent "flopping" • Jaw size: 2"H x 1"W
 Base diameter: 3.4" • Overall height: 7.5"H
- Base diameter: 3.4"
- · Weight: 0.8 lbs. 10

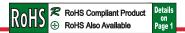
Part No. Product No. 209 🕀 251791 \$27.59

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

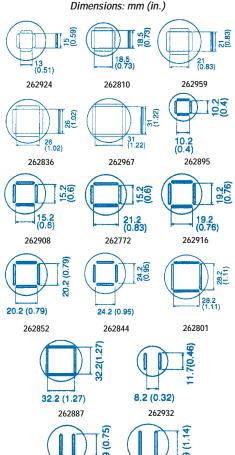
RoHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.







Focus Hood Tips



Hot Air SMD Rework Station with Digital Display

The Hot-Air SMD 850D is engineered to meet the demanding needs of today's electronic industry; technicians, service/repair and assembly rework. The system not only increases productivity for SMD assembly and repair but also achieves a new standard of quality.

- Incorporates a US made pump the largest in the industry
- · Long life ceramic heater insures accurate and sufficient heat where you need it
- Adjustable air-flow
- Electronically controlled temperature system with digital readout in preset and actual temperature
- · Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Hot air temperature range: 100°C 385°C (212°F 725°F) 25W diaphragm pump Weight: 10.8 lbs.
- Size: 7.4"W x 9.6"D x 5.0"H

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)

Part No.	Product No.	Description	1	5
262705	850D ≉	Hot air SMD rework station with 4 focus hood tips	\$395.05	\$375.25
262983	HG850D ≈	Heat gun replacement	78.95	74.95
262924	A1141B ≉	Focus hood tip, PLCC 11.5 x 14	34.95	33.25
262810	A1135B ≉	Focus hood tip, PLCC 17.5 x 17.5	34.95	26.21
262959	A1136B ₹	Focus hood tip, PLCC 20 x 20	49.95	48.29
262836	A1137B ≈	Focus hood tip, PLCC 30 x 30	49.95	37.46
262967	A1138B ≉	Focus hood tip, PLCC 30 x 30	49.95	48.29
262895	A1125B ≈	Focus hood tip, QFP 10 x 10	34.95	33.25
262908	A1126B ≈	Focus hood tip, QFP 14 x 14	34.95	33.25
262772	A1128B ≉	Focus hood tip, QFP 14 x 20	34.95	33.25
262916	A1127B ≈	Focus hood tip, QFP 17.5 x 17.5	34.95	33.25
262852	A1261B ≈	Focus hood tip, QFP 20 x 20	49.95	48.29
262844	A1182B ≉	Focus hood tip, BQFP 24 x 24		48.29
262801	A1129B ≈	Focus hood tip, QFP 28 x 28	49.95	37.46
262887	A1265B ≈	Focus hood tip, QFP 32 x 32	79.95	75.95
262932	A1258B ≉	Focus hood tip, SOP 7.6 x 12.7	34.95	33.25
262941	A1260B ₹	Focus hood tip, SOP 8.6 x 18	34.95	33.25
262975	A1259B ≈	Focus hood tip, SOP 13 x 28		48.29

Weller Digital Soldering Stations

13.5 (0.53)

262975

684772:

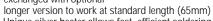
· New WP80 soldering pencil offers 80 watts of power with short tip-to-grip (52mm)

8.7 (0.34)

262941

80W of power

684772 · Barrel can be exchanged with optional



- · Unique silver heater allows fast, efficient soldering · Uses WP80 soldering pencil and
- WDH10 soldering stand Includes LTB tip Size: 15.4"L x 10.2"W x 5.2"H · Weight: 8.2 lbs.

- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in the pencil rather than the tip
- · Micro pencil with short tip-to-grip (37mm) puts you close to the work • 85W of power
- Iron stand has adjustable tilt angle in 4 positions ranging from 30 to 80 degrees • Includes NT1 tip
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H
 Weight: 7.5 lbs.

Part No.	Product No.	Description	1	5
684772	WD1002 ₹	80W	. \$279.95	\$269.95
684781	WD1001 ≈	85W	279.95	269.95
			_	

Weller

Pro Cordless Coldheat Soldering Iron

Using the patented Coldȟeat[™]system, the Weller Pro Cordless melts solder instantly and is cool to the touch in justseconds. But unlikemost other

products, the Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG. With an average yield of 700 solder joints per 5 AA alkaline batteries, it has what it takes to be an invaluable tool anywhere field soldering is required.

- · Polycarbonate body
- · High/low/off power switch
- · Bright white LED work light
- · Red "in use" indicator light
- Requires 5 AA alkaline batteries
- Includes carrying case and CHT3 61° angle chisel tip

Part No.	Prod. No.	Description	1	5
684705	CHT100 ≉	Cordless soldering iron \$	40.29	\$37.25
684713	CHT1 ₹	50° angle bevel tip	11.19	10.65
684756	CHT2 ₹	61° angle conical tip	11.19	10.65
684764	CHT3 ₹	61° angle chisel tip	11.19	10.65

CHIPQUIK SIMD 2000 Removal System

Complete Solder/Desolder Rework Kit

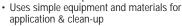
 Removal alloy, solder paste. 3' solder, paste flux, liquid flux remover/cleaner, handi vac, 2 acid brushes, precision tweezers, six 4" x 4" cleaning wipes, 10 swabs, 6 alcohol pads, SMD removal/clean up instructions, stainless steel probe kit & 5' solder wick



Part No.	Description	1	10
208055	SMD 2000 removal system	\$99.95	\$94.99

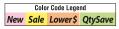
CHIPQUIK SMD Removal Kit

- · Quick and easy to use
- Potential damage to printed circuit boards is eliminated 2.5' of CHIPQUIK[®]
- material removes 1250-1500 SMD pins



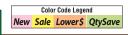
Part No.	Description	1	10
141305	SMD removal kit ⊕	\$24.95	\$22.45

ROHS compliant product This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.



RoHS Compliant Product ⊕ RoHS Also Available





Scotch-Weld™ Adhesive

A higher viscosity, one-part, high strength, fast-setting adhesive that cures at room temperature. Adheres to difficult-to-bond substrates such as EPDM rubber, aluminum, and flexible vinyl. Scotch-Weld adhesive exhibits good resistance to soap solutions and isopropyl alcohol.



Part No.	Description	1	5	10
646477	ScotchWeld C-40 22 *			
646717	ScotchWeld C-40H 2	* 18.95	17.75	16.75

Scotch-Weld™ Epoxy **3M** Adhesive DP-100

A flame-retardant (selfextinguishing) off-white version of 3MTM Scotch-Weld™ DP-100 Adhesive. It meets UL94VO burn test



requirements, has a 1:1 mix ratio, and has a work life of 5 - 8 minutes. It is ideal for many applications requiring a flame retardant adhesive.

Part No.	Description	1	10	25
652228	1.7 fl. oz. 2 *	\$18.75	\$16.63	\$14.94

Scotch-Weld™ Epoxy **3M** Adhesive DP-190

A gray, flexible, two-part adhesive that cures at room temperature and provides high strength bonds with good performance in shear and peel. Can be used to bond rubber, metal, wood, most plastics and masonry products. This adhesive has a 90 minute work life, with improved impact and shock resistance over many traditional epoxy adhesives. It is a 1:1 mix ratio of $22\overline{16}$ B/A gray adhesive.

Part No.	Description	1	5	10
652236	1.7 fl. oz. 🗶 *	\$17.49	\$16.25	\$15.25

Scotch-Weld™ EPX™ **3M** Plus II Applicator

The applicator is a low-cost portable, self-contained metering, mixing and dispensing machine that simultaneously meters and mixes two-part adhesives as the material is applied. The plunger is for the 3MTM Scotch-WeldTM EPXTM Plus II Applicator. The EPX Plus II Applicator is used to dispense 3MTM Scotch-WeldTM adhesives in duo-pak cartridges.

Part No.	Description	1	5	10
652201	Applicator 🕿	\$64.95	\$59.95	\$54.95

3M **Tapered Mixer Tip**

Enables technicians to apply a fine bead for use in bonding impact strips and sealing small seams as well as other applications where a fine bead is required. Tip can be cut for desired bead thickness. For use with P/N 652201 (above).

Part No.	Description	1	10	25
652210	Mixer tip ≉	\$1.55	\$1.37	\$1.23

Shipped via UPS ground to continental U.S. only

Scotch-Grip™ Rubber and **Gasket Adhesive**

A yellow, premium quality, versatile, brushable, heat resistant adhesive that develops strength rapidly.



Has excellent adhesion to metal, baked enamel, wood, most plastics, neoprene, reclaim, SBR and butyl rubber. NOT for EPDM rubber.

Part No.	Description	1	10	25
647058	5 oz. tube 🗷 *	\$13.65	\$12.09	\$10.86

3M Scotch-Grip™ Plastic Adhesive

A clear, elastomeric adhesive with exceptional adhesion to metal and plastic. This adhesive is unique in its



ability to bond hard-to-hold materials like polypropylene, polyethylene, and high-impact polystyrene. Exhibits high immediate bond strength, long tack range, and contact bond properties. Good resistance to water and aging.

Part No.	Description	1	10	25
647066	5 oz. tube 🗷 *	. \$13.25	\$11.75	\$10.56

3M Super 77 Spray Adhesive

High tack, high coverage and fast drying for permanently attaching foils, carpeting, paper, cardboard, felt and cloth to painted or unpainted metals, wood



Super Adhesive Glue

Scotch® Super Strength Adhesive is an industrial strength adhesive for most household repairs. Forms a nearly invisible bond that offers versatility and a strong grip. Resists heat, water, oil and grease. Bonds glass, metal, porcelain, plastics and many other types of materials.

Part No.	Description	1	10	25
645845	30ml tube ₹ * \$4	1.99	\$4.59	\$4.19

3M Super Glue Gel

3MTM Super Glue Gel quickly repairs glass, china, jewelry, balsa wood, rubber and rigid plastic. It forms a strong bond, fills small gaps better than non-gels, and the gel formula lasts longer in the tube.

.89	\$1.79
	.89

3M Scotchkote™ Electrical Coating

ScotchkoteTM Electrical Coating provides vinyl tapes with an extra oil, moisture and corrosion-resistant layer of flexible coating for problem areas. A fast drying sealant and bonding compound, in a brush top can for quick & easy application.

Part No.	Description	1	5	10
647074	4 fl. oz. can ≉ * \$9	.75	\$8.55	\$8.10

Citrus Base Cleaner 3M

A citrus oil based cleaner which can diss grease, adhesiv substar flushed

_ *				
Description	1	5		10
d with water.		100		
nces. Emulsifies when	1			
ve films, and similar			95	п
tar, most non-curing	type		30	
ssolve and flush away		- 3		

Part No.	Description	1	5	10
647040	24 oz. can 2 *	\$19.95	\$18.49	\$17.49

5-Way Penetrant **3M**

Effective as a demoisturant – displaces moisture and "dries out" electrical apparatus. Inhibits rust – spreads a thin, even film that actually penetrates the pores of the surface to inhibit rust and corrosion. Penetrant – frees rusted, frozen bolts, nuts, etc. Lubricant - for delicate machines or precision instruments.

Part No.	Description	1	10	25
645888	24 fl. oz. aerosol can 🕿 '	\$14.49	\$12.87	\$11.56

3M Respirator Mask

Recommended for sanding and working with fiberglass insulation and drywall sanding. 3M[™] Cool Flow[™] Exhalation Valve allows easy exhalation and heat reduction, which provides cool, dry comfort. NIOSH appoval: N95.



Part No.	Description	1	10	25
645968	Respirator mask 🗷	\$7.69	\$6.79	\$6.10

3M Home Dust Mask

Lightweight, disposable masks offer relief from irritating effects of common household dusts. Patented filter media is greater than 90% efficient for particles of all sizes. Contour-fit, soft metal nosepiece adjusts closely over the bridge of the nose.

Part No.	Description	on 1	10	25
645950	5 pack ₹	\$4.49	\$3.99	\$3.59

3M Lens Cleaning Cloth

Dirt and particles are trapped within knitted tufts of the fibers. Rows and rows of tufts and valleys trap large and small particles.



Size: 6"W x 7"L

Part No.	Description	1	10	25
645896	Cleaning cloth 2	\$2.69	\$2.38	\$2.14

3M Scotch-Brite™

#74 Medium Duty Scrub Sponge It's a No. 96 scouring pad on one side and on the

other is a cellulose sponge.



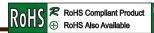
Part No. Description 652199 Scrub sponge **₹** \$2.69 \$2.41 \$2.16

#96 General Purpose Scour Pad

Synthetic scouring pad is excellent for common cleaning jobs.

• Color:	green	 Size: 6"V 	V x 9"L	Dec.	
Part No.	Descr	iption	1	10	2
652181	Scour	nad 22	\$ 85	\$ 73	\$ 6

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



Duct Tape 3900

Polyethylene coated cloth with rubber adhesive. Economy grade duct tape. A good choice for general maintenance, wrapping, sealing and protecting. • 48mm W x 54.8m L



Part No. Product No. 652068 3M 06976 (silver) 2 ... \$10.99 \$10.09 \$9.59

3M Super 33+ Electrical Tape

This tape provides flexibility and easy handling for all around performance. It combines PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V and protective jacketing. Excellent resistance to UV rays, abrasion, moisture, copper corrosion, alkalis and acids, and is flame-retardant. Excellent all-weather performance in cold to 0°F (-18°C). Designed to perform in a continuous temperature environment up to 220°F (105°C).

· UL listed and CSA certified

 Tape color: black • 3/4"W x 66'L

Part No.	Product No.	1	10	25
285464	3M 06132 ⊕	\$4.59	\$4.24	\$4.21

3M Tartan 1710 Electrical Tape

3MTM TartanTM 1710 vinyl insulating tape offers good resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including ultraviolet).



UL listed • 3/4"W x 60'L

· Flame retardant

Part No.	Product No. 1	10	25
285587	3M 49656 (black) ⊕ \$.95	\$.89	\$.86

Scotch® 35 Vinyl **3M Electrical Tape**

Identify leads, splices, and terminations. Abrasion and weather resistant 7 mil tape. Excellent mechanical and electrical insulation





652148

1

3M 10457 * \$8.39 \$7.59 \$6.99

5 10

properties. Wraps smoothly and holds tightly over a wide range of temperatures.

• 3/4 VV X	66°L	Lower \$\$\$			
Part No.	Product No.		1	10	25
652076	3M 10810 ((red) 2 \$5.89	\$4.45	\$4.12	\$4.00
652084	3M 10869 ((orange) 🕿 💲 5.0	4.45	4.12	4.00
652092	3M 11271 ((violet) 🕿 😘	4.45	4.12	4.00
652105	3M 10828 ((white) 🕿 😘 .c	4.45	4.12	4.00
652113	3M 10885 ((brown) 🕿 😘	4.45	4.12	4.00
652121	3M 00072 ((grav) 🗷 ^{\$5.0}	4.45	4.12	4.00
652130	3M 10836 ((blue) 🗷 😘	4.45	4.12	4.00
652148	3M 10851 ((green) 🕿 😘	4.45	4.12	4.00
652156	3M 10844 ((yellow) ? \$5.8	4.45	4.12	4.00
• 5 rolls: b		ed, yellow & v		• 1/2"W	x 20'L

Double-Sided Foam Tape

Used in a wide variety of applications, this tape features high-shear acrylic adhesive and high temperature resistance. Adheres securely to any surface with its double-sided adhesive. 1/8" thick open-cell urethane foam carrier. Ideal for many manufacturing applications.

• 1/8" thick • 1"W x 12'L



Lower \$\$\$

Part No.	Product No.	1	5	10
285907	3M 4008 🟵	\$13.49	\$12.39	\$11.27

Double Coated Urethane 3M Foam Tape

1/16" thick neutral, open cell urethane foam flexible carrier with high shear, high temperature resistant acrylic adhesive. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area. Apply by hand or with dispenser.

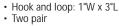
• 1"W x 18'L

	,	LOWER PAP		
Part No.	Product No.	1	5	10
645941	3M 06440 🗷	\$16.95 \$12.79	\$11.65	\$10.99

Hook and Loop 3M Fastening System

Nylon hooks mesh with pliable loops. 1" wide strip with adhesive backing sticks instantly tomany surfaces.





Part No.	Product No. 1	10	25
645917	3M 64293 (black) 2 \$2.79	\$2.46	\$2.21
645909	3M 64294 (white) 🗷 2.79	2.46	2.21

3M Dual Lock Fastening System

3MTM Dual LockTM reclosable fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical, sign and display markets. When the mushroom-shaped stems interlock, tensile



strength is high enough to replace mechanical fasteners, yet you can readily open and close Dual Lock fasteners hundreds of times. High temperature and solvent resistant.

- Adhesive backing for strong bonds
 1"W x 15'L
- 5x stronger than conventional hook & loop fasteners
- Audible snap assures secure closure
- Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	5	1
288438	3M 06463 (clear) ⊕ €	\$74.95	\$71.19	\$67.6
Hook and	l loop: 1"W x 3"L	• Two	pair	
Part No.	Product No.	1	10	2
645925	3M 64284 (black) 🗷	\$3.55	\$3.14	\$2.8
645933	3M 64254 (clear) 🗷	3.55	3.14	2.8
_				

130C Linerless Rubber 3M Splicing Tape

This highly conformable, high voltage Ethylene Propylene rubber tape is ideal for a number of applications where its sealing properties are required. These include sealing collars,



closure-sealing, drop wire splice insulating, sheath build-up and constructing auxiliary sleeves. Unlike most rubber tapes, Scotch® 130C is linerless which makes it easier and quicker to use. It provides a void-free, permanent seal every time. Lower \$\$\$

3/4"W x 30'L

0, 1,				
Part No.	Product No.	1	5	10
652050	3M 4171 🗷\$	13.35	\$12.96	\$11.66

Scotch® General Purpose **3M** Masking Tape

A very high temperature resistant tape for use in masking and holding applications where temperatures reach 250°F (121°C) up to 1 hour. A general purpose paper masking tape designed to

be used in medium temperature paint bake operations.

Lower \$\$\$

• 24mm W x 55m L

6521	72 3M 02982 ≈ \$ 6	.9 ⁹ \$4.85 \$4.	44 \$4.10
Part N	lo. Product No.	1	10 25

3M Safety Stripe Tape

 $3M^{\text{TM}}$ Safety Stripe Tape 5702 Black/Yellow, 5.4 mil (0.14 mm) vinyl backing with rubber adhesive, resists most common solvents.

· Color: black and vellow

651882

• Size: 2" wide x 36 yards long Lower \$\$\$ Product No Part No. 5702 🗷



Vinyl Tape 3M

The 3MTM Vinyl Tape 471 with rubber adhesive and vinyl backing provides a clean removal in any application. Conformable and dead stretch properties to provide straighter lines. Maintains color throughout

Lower \$\$\$

even when exposed to heavy abrasion.

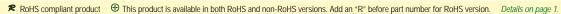
• Color: red • 5.2mil (0.13mm) thick

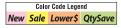
· Size: 2" wide x 36 yards long

Part No. Product No 645159 471 🗶 .. \$34.99 \$24.99 \$21.44

Over 99% of Our Catalog Products Are In Stock

Place your order by 6PM EST for same business-day shipment.





Product No.

Part No.







Safe on plastics EPA SNÁP approved, no CFCs or HCFCs























525835

Quantity SAVE

Envi•Ro•Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.) 1	12
139900	10 oz. aerosol w/ trig	ger ≈ * 0.8 \$8.99	\$8.19
263530	15 oz. aerosol w/ trig	ıger ≉ * 0.8 11.85	11.35

Envi•Ro•Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F. Part No. 10 oz. aerosol can 2 * 0.8 \$10.79 139934

ECOLINE Flux Remover

 Dissolves R. RMA, RA, SA & most no-clean fluxes Part No 118041 10 oz. flux remover ₹* 0.8 ... **\$9.99**

ECOLINE Contact Cleaner

- · Ideal for switches, relays & other places on electrical connections
- · Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033	10 oz. contact cle	aner ≉ * 0.9 \$9.	19	\$8.35

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for allpurpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

♥ Blue Part No. = Limited Quantity Available

Part No.	Description	Wt. (lbs.)	1	12
263572	1 pint bottle ₹⊙ *	1.1	\$8.75	\$7.89

Static Senstive Brush

 Bristle: 1/8"L x 1/16"W 		 Handle 	e: 3.5"	
Part No.	Description	Wt. (lbs.)	1	5
481748	Brush≉	0.1	\$8.05	\$7.69

Fine-L-Kote™ Silicone Conformal Coating

A type SR silicone resin conformal coating that has excellent moisture and fungus resistance properties, offers chemical resistance and is recommended for harsh environments. Contains Opti/ScanTM to allow for black light inspection.

Part No.	Description	Wt. (lbs.)	1	12
481756	1 pint 2 *	1.1 \$3	0.85	\$29.41

Fine-L-Kote™ Urethane Conformal Coating

As a urethane coating, this is highly resistant to most solvents, moisture, fungus, and molds. A clear, repairable coating, it is formulated with a black light indicator, Opti/Scan™, to provide checks for conformity in quality control.

Part No.	Description	Wt. (lbs.)	1	12
263556	12 oz. can 🗶*	1.0 \$16	.89	\$16.19

No-Clean Flux Dispensing Pen

The resin and halide-free no-clean flux will leave no residues. It provides optimum wetting over a wide range of surfaces and will not damage commonly used plastics.

Part No.	Description	Wt. (lbs.)	1	5
481764	11.5 ml pen*	0.1	\$5.09	\$5.01

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Links components
- Makes smooth jumpers
- Shields components

Part No.	Description	Wt. (IDS.)	12
263716	4.89 ml pen ≉ *	0.1 \$15.99	\$15.28

Overcoat Green Pen

Designed to insulate printed circuit board traces and components against high voltage arcing, and provides protection from moisture.

- Protects conductive pen traces
- · Repairs permanent solder mask
- Blue Part No. = Limited Quantity Available

Part No.	Description	Wt. (lbs.)	1	12
263732	5 ml pen 🗷 🛭 *	0.1 \$	11.49	\$10.54

SMT Stencil Cleaner

Hydrocarbon-based, non-ozone depleting stencil cleaner effectively removes solder paste from screens, misprinted boards, and equipment.

Part No.	Description	Wt. (lbs.)) 1	12
481668	48 wipes 	0.4	\$14.75	\$14.03
481676	1 pint trigger bo	ottle ≜* 1.1	15.25	14.49

Zero Charge™ Hand Lotion

Contains natural products including aloe vera and vitamins A and E. Moisturizers penetrate rapidly leaving skin soft and non-greasy. Improves the contact between personnel and grounding devices such as wrist and heel straps.

Part No.	Description	Wt. (lbs.)	1	24
481684	8 oz. bottle	1.2 \$	5.09	\$4.48

Zero Charge™ Anti-Static Coating

Fast drying, anti-static coating, eliminates static charge and reduces triboelectric generation from most surfaces. Recommended for applications that experience flexing and movement.

Part No.	Description	Wt. (lbs.)	1	12
481692	1 pint bottle ◆ *	1.1 \$	10.29	\$7.79

Zero Charge™ Mat and Table-Top Cleaner

A neutral pH cleaner for general use in production areas that removes insulating contaminants such as flux residues, oils, greases, nicotine, dirt and grime. Description

checks to	or conformity i	n quality con	trol.		Part No.	Description	Wt. (lbs.)	1	12	525851	6" c
Part No.	Description	Wt. (lbs.)	1	12	481705	2 oz. bottle◆*	0.4	\$6.05	\$5.72	See Cor	nplete
263556	12 oz. can 🗷 *	1.0 \$1	16.89	\$16.19	481713	1 quart bottle*	2.2	11.59	10.37	<u>w</u>	ww.J
♠ This produ	uct ships from a separ	ate warehouse and i	may not	ship the sar	ne day. Each v	varehouse will accrue se	parate shipping ch	harges. S	orry, we're u	nable to ship	COD.

Zero Charge™ Screen & Keyboard Cleaner

With regular use, this cleaner will eliminate static charge from sensitive surfaces and provide a long term protection. Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon, and other soils from work areas.

Part No.	Description	Wt. (lbs.)	1	12
481721	1 pint bottle ◆ *	1.1 \$1 0).59	\$10.21

Quick Test® Detector Activation Spray

This non-flammable aerosol is safe on the ozone layer while eliminating the risk of fire. A unique vertical actuator that when depressed, sprays a cloud of simulated smoke toward Lower \$\$\$ the detector setting off the alarm.

Part No.	Description	Wt. (lbs.)	1	12
481730	2.5 oz. aerosol*	0.3 \$	5.59	\$4.62



Freeze Spray

- Nonflammable Safe on plastics
- Wide spray for cooling entire boards · Ozone safe Description Wt. (lbs.) 1 525915 10 oz. aerosol can ? * 0.8 **\$11.39**

Glass & Plastic Cleaner

- Controls static, cleans and polishes in one application
- Compatible with plastics, glass and stainless steel
- Foaming spray won't run or drip; ideal for optical surfaces

Part No.	Description	Wt. (lbs.)	1	5
525974	14 oz. aerosol can ??	* 1.1	\$11.09	\$8.32

Chemask

- Easy to use peel off dried Chemask® masking agent
- Latex material is compatible with flux systems and stable with cleaning solvents

Part No.	Description	W	t. (lbs.)	1	5
525835	8 oz. squeeze bottle 🗷	*	0.7	\$13.25	\$12.71

Chem Pads

- Ultra pure blend of 91% IPA/9% deionized water
- · Mild cleaning solution, nonabrasive wipe
- Pack of 50 3" x 4" presaturated pads

Part No.	Description	Wt. (lbs.)	1	5
525843	3"x4" presaturated pa	ds ≉ 0.7\$	\$23.89	\$21.56

Double Head Cottontip Swabs

Soft & highly absorbent compatible w/ most solvents

00	9) aboo.bo	patibio III	.001 00.	
Part No.	Description	Wt. (lbs.)	1	5
525851	6" cotton swab₹	0.1 \$	3.89	\$3.77

See Complete Chemtronics Chemicals Offering at www.Jameco.com/Prod/Chemtronics

Shipped via UPS ground to continental U.S. only





Chemicals

Air Jet® & Freeze Mist **HCFC Contact Cleaners** Solder Flux & Flux Removers Lubricants Adhesives

Coatings, Thinners & Solvents Applicators, Brushes, Swabs & Wipes These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate

shipping charges. Sorry, we're unable to ship COD. See Complete GC Chemicals Offering at www.Jameco.com/Prod/GCChemicals

MM Direct Etch PCB "Starter" Set

Includes: 4 blank circuit boards. dry concentrated ferric chloride etchant, instructions, 8 sheets of direct etch donuts, DIP. patterns, lines and 1/32" 1/16" otch regist tane



0 1/10	eterriesist tape.			
Part No.	Product No.	Wt. (lbs.)	1	10
70412	ER1*	0.7	\$11.95	\$10.95

Pre-Sensitized Circuit Boards & Developer

· Pre-coated circuit board

 Size: 3.0"L x 4.0"W x 1/16"T Includes: Instructions



Part No.	Description	Wt. (lbs.)	1	10	25
156751	Single sided	— \$4	.95	\$4.49	\$3.95
156742	Double sided	— 6	.49	5.85	5.25
156734	4 oz. Pos. developer*	0.6 6	.95	5.95	4.95

Dry Concentrated Ftchant

· Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201	ER3* \$3.95	5	\$3.49	\$3.15

MM Photo Etch™ Printed Circuit Kit

Generate your own 1:1 artwork. Then use the patented Fast Neg film process to make a photo negative and sensitize and expose a blank copper board. Finish by developing &



etching. No camera or darkroom is required.

Part No.	Product No.	Wt. (lbs.) 1	10
16731	12-750 *	4.6 \$39.95	\$36.95

Acid Brush

 Used for application of reactive solvents

Of Fouc	tive solvents				
Part No.	Description	1	10	100	1000
153322	Metal handle, 6" 🕿	\$.65	\$.59	\$.49	\$.37

*Shipped via UPS ground to continental U.S. only

Jameco's Got The Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

Circuit Boards

Bare Copper Circuit Boards

One ounce copper (0.0014") on base of either fiberglass or reinforced epoxy board. 1/16" thick.



Jiligie-Jiueu Doarus			U	10310	
Part No.	Product No.	Size	1	10	50
616471	22-250	3" x 5" \$2	.69	\$2.53	\$2.23
616489	22-260	4" x 6" 3	.59	3.35	2.95
616497	22-261	6" x 6" 4	.99	4.66	4.11
616500	22-263	6" x 9" 5	.69	5.32	4.69
616518	22-264	8" x 10" 8	.89	8.32	7.34
616534	22-268	11" x 14" 17	.75	15.09	13.19

Double-Sided Board \$6.09 \$5.72 \$5.05 616526 22-267♠ 6" x 9"

Assortment's Single Sided Boards

- 1 each 2" x 4.5" and 3" x 4.5"
- 2 each 2.25" x 3"

		the same of the sa		-
Part No.	Product No.	1	10	50
616551	22-272	\$5.49	\$5.13	\$4.51

Positive Pre-Sensitized Circuit Boards

1 oz. copper (0.0014") on 1/16" epoxy glass board, UL94V-0 rated. High quality positive pre-616243 sensitized board is double protected from light and handling damage. The peel-off coating protects the board

while handling or cutting prior to exposure.

Single-Sided Boards

Part No.	Product No.	Size	1	10	50
616201	21-243♠	3" x 6"	\$4.45	\$4.18	\$3.69
616219	21-247♠	7" x 10"	11.75	10.95	9.67
616227	21-252♠	12" x 12"	27.15	25.75	24.47
616235	21-330♠	2" x 4"	4.29	4.07	3.87
616243	21-332	3" x 4"	5.29	5.00	4.75
616251	21-334	4" x 6"	5.35	4.99	4.40
616260	21-336	6" x 6"	5.99	5.58	4.92
616278	21-338♠	6" x 9"	8.99	7.64	6.95
Double-Sided Boards					

Double-S	Sided Boards			
616286	21-339♠	3" x 4" \$4.25	\$3.99	\$3.52
616294	21-350♠	6" x 6" 8.15	7.59	6.70
616307	21-353	6" x 9" 11.55	10.80	9.53
616315	21_357♠	12" v 12" 20 35	27 95	26.46

Circuit Board Drafting Patterns

An 8.5" x 11" sheet containing 2 dozen of the most commonly used pre-spaced component configurations. Self-adhesive pads may easily be removed from master sheet with a precision knife (recommend P/N 72768, pg 292).



616323 21-377 \$\,\delta\,\delt

Copper Circuit Tape

Six foot roll of 1/8" wide selfadhesive copper tape for quick repairs and modifications. Adheres easily to PC boards and similar surfaces, solder-ready. Low resistance, 0.002" thick.

Part No.	Product No.	1	10	50
616657	22-509	\$3.79	\$3.55	\$3.14



Prototype Boards

Export Design Phenolic Prototype Board

Accommodates all types of IC's, transistor packages and passive parts. Lands and bus bars are tin plated.



- 0.1" centers
- Size: 3 1/8"W x 5 1/16"L x 1/16" thick

Part No.	Product No.	1	10	50
616631	22-504	\$4.05	\$3.80	\$3.35

Experimenter's Phenolic Prototype Boards

Save time and money withready-to-use printed circuit boards. Excellent for use in prototype building, experimenting, hobby or science projects and kit building. 0.03" punched holes on 0.150" centers.





616649:

- · Copper plated with 94 five-point
- terminals and two 40-point bus strips Size: 6.0"L x 2.0"W x 1/16" thick

616665/616673:

Size: 6 3/4"L x 3 3/8"W x 1/16" thick

Part No.	Product No.	Description	1	10	50
616649	22-508	Copper plated \$9.2	25	\$8.65	\$7.63
616665	22-510♠	Quad land patt. 5.2	9	4.96	4.37
616673	22-512	Sngl. land patt. 5.2	9	4.50	4.25

Versa Strip Phenolic Prototype Board

- · Alpha-numeric indexing
- Silver-plated land patterns Predetermined short tracks for multi-IC work
- 0.035" diameter holes

Part No.	Product No.	
Size:	3.5"W x 6"L x 1/16" thick	• ()

Part No. Product No. 1 10 5 616622 22-502 \$6.19 \$5.77 \$5.0	• Size: 3.5	5"W x 6"L x 1/16" thick	• 0.1"	centers	S
616622 22-502 \$6.19 \$5.77 \$5.0	Part No.	Product No.	1	10	5
	616622	22-502	\$6.19	\$5.77	\$5.0

Perforated Bare Phenolic Prototype Boards

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

616681:

616614

 0.042" dia. holes, 0.1" spacing

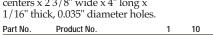
 Size: 6.0"L x 2.25"W x 1/16"T 616690/616702: • Size: 6.0"L x 4.5"W x 1/16"T

0.093" dia. holes, 0.265" spacing

Part No.	Product No.	1	10	50
616681	22-514	\$4.59	\$4.32	\$3.81
616690	22-516	5.29	4.96	4.37
616702	22-518	5.85	4.97	4.81

Plug-In IC Phenolic Prototype Board

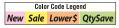
IC's plug directly into board. It's 0.1" spacing accepts 14-pin up to 20-pin IC's. Silver plated lands with 24-way card edge connector plug on one end. 0.1" centers x 2 3/8" wide x 4" long x



22-500 \$2.45 \$2.33 \$2.21

📤 This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

ROHS compliant product
This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.





General Purpose Prototyping Boards

ValuePro Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

 0.062" board thickness 0.08" pad size

JAMECO

263249

• 0.1" hole spacing • PCB material epoxy glass

· Plated through pads are double-sided



206578

106551









21435 52943 21477 **Circuit Patterns Board Outline**

Holes Only

Connector



Pad Per Hole

Mounting

13 x .115"

50



Power/Ground Perimeter

Bus with Pad Per Hole



3 Hole Solder Pad

and Bus

See PCB e	enclosures o	n pg 307, i	mounting hardware	e (recommend P/N	N 106551) below	

See PCB e	nclosures o	n pg 307, i	mounting hardwa	re (recoi	mmend P/N 10)6551) below	I
	Cross Ref.	Size	Fits Enclosure(s)	Circuit	Hole	# Holes	Ī

See PCB e	nclosures o	n pg 307, i	mounting hardwai	re (recoi	mmend P/N 1	06551) below	
	i						_

See PCB e	enclosures o	on pg 307, i	mounting hardwa	re (recoi	mmend P/N 10)6551) below	
	0 0 0	0:	F11 F 1 ()	0: ::			-

Part No.	Number	(W" x L")	(see page 306)	Pattern	Pads	x Dia. †	Buses	I/O or Edge	Holes x Dia.	(lbs.)	1	10	50	100
105100	2855PCB ₹	1.60 x 2.70	18922	В	Single-sided	288 x .035"	None	None	2 x .115"	.02	\$5.25	\$4.73	\$4.25	\$3.83
105101	5002PCB⊕	1.50 x 3.50	11957	С	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.26	5.00	3.75
263186	PCB-403 ₹	1.80 x 3.10	18922	В	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105129	2853PCB ₹	2.00 x 4.40	18914, 11965	С	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	6.95	6.25	5.59
105111	2300PCB ₹	2.40 x 3.40	11869	С	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	6.95	6.25	5.59
263207	PCB-463 ₹	2.40 x 4.10	N/A	В	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
263215	PCB-858 ₹	2.50 x 4.50	18914	В	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105152	2851PCB⊕	3.10 x 5.50	18893	С	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	5.96
263223	PCB-69₹	3.30 x 3.70	N/A	В	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105137	2320PCB ₹	3.30 x 4.50	11885	С	Single-sided	1266 x .035"	4	None	4 x .140"	.06	9.95	8.95	7.95	6.95
105162	2852PCB 	3.60 x 7.00	18906, 11973	В	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	11.95	10.95
206586	2746APCB⊕	4.30 x 6.80	209350	С	Single-sided	2550 x .042"	5	None	4 x .140"	.07	10.95	9.86	8.87	7.98
21435	JE401(8001) 🕿	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.76	17.78	16.00
21452	JE405(8003) 🕿			С	Single-sided	2360 x .042"	1	None	None	.12	19.95	17.95	14.36	10.77
206578	2743APCB⊕	4.60 x 4.30	208911	С	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.49	6.74	6.07	5.46
105179	2505PCB ⊕ ○	5.00 x 6.50	11893, 18869	С	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.49	11.95	10.90
21477	JE407(8006) 🕀	5.00 x 13.25	N/A	В	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.19	37.07	29.66	22.24
206594	2747APCB⊕	5.50 x 8.00	209358	С	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	14.99	13.49	10.79	8.09
105187	2507PCB⊕	6.10 x 8.80	18877	С	Single-sided	4771 x .035"	7	None	8 x .140"	.21	29.95	26.96	21.56	16.17
263232	PCB-7038 ₹	8.30 x 11.9	. N/A	В	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	52.19	49.59	47.09

					Other Man	<i>nufacturer</i> :	s — Grea	t Deals						
28177	PCB1 ⊕	2.42 x 4.10	18914	С	Plated through	674 x .040"	None	None	4 x .120"	.04	\$5.95	\$5.35	\$4.79	\$4.29
28193	PCB3 ⊕	5.00 x 8.00	18877	С	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	19.76	17.78	16.22
	Martin Day book													

11 000 x 042"

	VECTOR FLOUDCES											
43140	64P44XXXP⊕ 4.50 x 6.50 [*] 18869	Α	Drilled only	2860 x .042"	None	None	None	.09	\$6.09	\$6.06	\$6.03	\$6.01
52943	84P44WE	Α	Drilled only	3740 x .042"	None	None	None	.15	9.55	9.49	9.45	9.42
37604	169P44WE	Α	Drilled only	7524 x .042"	None	None	None	.31	18.45	17.55	16.75	15.95
37612	169P44XXXP	Α	Drilled only	7524 x .042"	None	None	None	.25	11.25	11.19	11.14	11.08
37621	169P84WE ⊕ 8.50 x 17.0 N/A	Α	Drilled only	14,448 x .042"	None	None	None	.53	22.89	22.79	22.69	22.54
106551	51 20 pieces PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards							2.35	2.17	1.91	1.78	

PCB material: phenolic † All 0.042" diameter hole boards use terminals T44, T49, and T421 (see below)

R

None

VECTOR Wire Wrap and Push-In Terminals

For .042" Diameter Holes

Material: copper alloy
 Prebagged 100 pcs.

PCB-6088 ⊕ 9.20 x 13.0 N/A

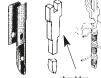
34147: Push-In Micro-Klip Terminals

• Overall length: .36" • Post size: .032" x .045" 34155: Miniwrap Wiring Terminals • Shoulder: .045'

Two-prong with square tail for wire wrapping
Overall length: .69"
Post size: .025"Sq.

34163: Klipwrap Wiring Terminals • Shoulder: .045"

Three-prong with square tail for wire wrapping
Overall length: .83"
Post size: .025"Sq.



Plated through

shoulder 34147 34155 34163

	-				
Part	Product	Height Above	Length Below	100 pc.	units
Number	Number	.062" Board	.062" Board	1	10
34147	T421 ⊕	.200	.097	\$7.29	\$6.95
34155	T44 ↔	.065	.530	9.95	7.75
34163	T49⊕	.200	.530	11.89	11.19

JAMECO"

Copper-Plated **Blank Circuit Boards**

Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.

• 1.6mm thick





Fig. 1 Fig. 3

52 19

49 59

47 09

	Single-Sided												
Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50						
169279	PCBS3X6 ⊕	3.0 x 6.0	3	0.1	\$3.49	\$3.14	\$2.36						
169288	PCBS6X6 ₹	6.0 x 6.0	2	0.2	4.95	4.46	3.56						
169296	PCBS12X12 ₹	12.0 x 12.0	1	0.5	13.49	12.14	10.93						
	Double-Sided												
169309	PCBD3X6₹	3.0 x 6.0	3	0.1	\$5.25	\$4.73	\$4.25						
169317	PCBD6X6₹	6.0 x 6.0	2	0.2	7.95	7.16	5.72						
169325	PCBD12X12	12.0 x 12.0	1	0.7	17.95	16.16	12.92						

PT Series Prototyping Boards

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc. • 4 power buses that connect to a power jack (recommended P/Ns 101179 & 101186, pg 162)

			, , , , , , , , , , , ,			1.0 . /		
Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	. \$17.75	\$16.85	\$16.45
262511	PT-5X37 ⊕	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537	PT-6X49 (↑)	6"L x 4 9"W	Double-sided	1931 x 036"	4 x 140"	32 49	30.89	29 35





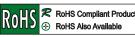


ROHS compliant product
This product is available in both ROHS and non-ROHS versions. Add an "R" before part number for ROHS version.

Blue Part No. = Limited Quantity Available

100255

EXCLUSIVE



RoHS Compliant Product

JAMECO ValuePro

The prototype builder boards on pg 306 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 306 (P/N 106551).

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

Enclosures 208911 See pages 204 - 208 for hardware and knobs 11885 1051111 18893 105162* 18914 18922

ABS Plastic Enclosures

Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid.

H2852

		r interior dime	nsions.	1	8914		
Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18922	H2855 ₹	3.1" x 2.0" x 0.9"	0.1	3.15	\$2.84	\$2.55	\$2.30
18914	H2853 ₹	4.9" x 2.5" x 1.5"	0.2	3.69	3.32	2.99	2.69
18893	H2851 ₹	6.0" x 3.5" x 1.9"	0.4	4.79	4.31	3.88	3.49

Die-Cast Aluminum Enclosures

7.5" x 4.3" x 2.3"

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high

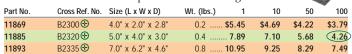
temp circu	iits (up to 6	00°C). Complet	e with sci	ews.	11973	-	3
Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11957	B5002 ⊕	3.9" x 2.0" x 1.0"	0.2	. \$5.95	\$5.39	\$4.85	\$4.35
11965	B5004 ⊕	4.7" x 2.4" x 1.6"	0.4	8.49	7.64	6.88	6.19

1.2 13.95

11341

7.5" x 4.3" x 2.4" Aluminum Enclosures

Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.



Metal Enclosures · Mounting screws and rubber feet included

105152*

*All boards sold separately, see pg 306; multiple boards shown

Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.) 1	10	50	100
208901	B2741A⊕	4.0" x 3.3" x 2.2"	0.4 \$6.49	\$5.89	\$5.29	\$3.96
208911	B2743A ₹	5.9" x 5.3" x 3.0"	0.8 7.99	7.19	6.49	5.89
208929	B2744A 🕿	7.3" x 6.3" x 2.8"	1.1 8.99	8.09	6.47	5.68
209350	B2746A ₹	6.3" x 7.8" x 2.5"	0.9 12.35	11.12	8.89	6.67
209358	B2747A ≉	7.5" x 9.8" x 3.2"	1.4 14.99	13.49	10.79	8.15

105137

105137*

ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots. · Color: gray

Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18869	H2505 ₹	7.9" x 6.3" x 2.5"	0.8 \$7	.89	\$7.10	\$6.39	\$5.75
18877	H2507 ₹	10.0" x 7.5" x 3.1"	1.4 8	3.99	7.99	7.28	6.55

ABS Enclosures w/ Clear Tops

Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Cross Ref. No. Size (Lx W x D)



208901

208911

i ait ivo.	CIU33 ICI. IVU.	SIZC (L X W X D)	Wt. (ID3.)	10	30	100
141832	203C1 	4.6" x 3.2" x 1.8"	0.3 \$8.95	\$8.09	\$7.25	\$6.55
141840	203D1 ↔	6.5" x 3.4" x 2.2"	0.4 9.95	8.99	8.09	7.25
141859	203F1 ₹	7.3" x 5.7" x 3.0"	0.8 11.95	10.79	9.69	8.69

18906

11973

Bug Boxes

11375

- · Anti-static plastic · Fits in bug cage
- (P/N 11332, below)
- · Box size: 4.9"L x 3.3"W x 0.6"H
- 11341: stores sixty 8-pin or thirty 16-pin DIPs
- 11375: Designed to store all types of components

Part No.	Description 1	10	100
11341	30 compartments ⊕ \$4.29	\$3.95	\$3.49
11375	3 compart./6 vertical &		
	6 horizontal dividers ⊕ 4.29	3.95	3.65

Bug Tray

- · Fits in bug cage (P/N 11332, below) 10 compartments
- 3.2"L x 0.4"W x 0.4"H ea. Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	1	10	100
11800	Divided bug tray⊕	\$3.19	\$2.87	\$2.58

Bug Cage

- · Holds bug boxes or trays
- · Modular and interlocking
- Color: blue
 Weight: 0.7 lbs.
 Case size: 5 0"L v 2 0"W v 5 1"L

· Case size.	. J.U L X J.9	N X D. I H	Roxe	s/ rays no	inciuaea
Part No.	Description		1	10	100
11332	Bug cage ⊕	\$7	.49	\$6.74	\$6.07

6.20

12.56

Lower \$\$\$

5.58

11.30

Component Cabinet

105100

105129







· Drawer can be divided into 3 sections (clear)

- · Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H
- · Weight: 2.8 lbs.

319601: 5.5"L x 2.7"W x 1.5"H

319611: 2.5"W x 1.2"H Includes: 20 clear plastic drawers, 20 dividers and

30 adhesive I.D. labels * Minimum order 10 pieces

raitivo.	Description		10	JU
319600	Component cabinet ₹	\$15.95	\$13.95	\$12.49
319601	Drawer for cabinet ⊕	39	.35	.29
319611	Divider for cabinet ?	*	.19	.17
017011	Divider for eabiliers		,	

www.Jameco.com

Our enhanced website offers over 65,000 new products. Find products quickly and order them easily.

Plastic Fliptop Boxes

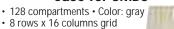
Clear plastic box with a clear plastic lid and removable dividers 100255: Size: 8.4"L x 4.5"W x 1.4"H

 18 compartments (1.4" x 1.5" each) **148902:** Size: 10.2"L x 4.7"W x 1.6"H

12 compartments (1.7" x 2.3" each)

Part No.	Description	1	10	100
100255	18 compartments ⊕ \$2.2 !	5	\$1.91	\$1.43
148902	12 compartments 3.9!	5	3.49	2.95

Plastic Fliptop Case for SMDs



- · Fliptop openings on each bin · Padded cover locks bins closed
- · Perfect match to store
- P/N 156882 SMD resistor assortment, pg 77 Weight: 1.4 lbs. • Size: 11.0"L x 8.3"W x 1.7"Thick Includes: Labels for each bin

Part No.	Description	1	10
164267	SMD fliptop case ₹	\$49.95	\$44.99

JAMECO ValuePro Stackable Drawers

Case size: 4.5"L x 4.4"W x 2.3"H • Drawer size: 4.4"L x 4.0"W x 0.9"H

· Color: blue/white

Part No.	Description	1	10	100
11906	Case/drawers ⊕	\$1.85	\$1.68	\$1.53

① This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. RoHS compliant product



SERPAC

A Series — with PCB Boss Mounts

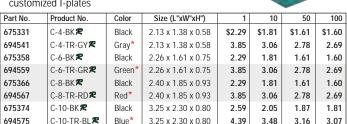
- · 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates



Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
373309	A-20-BK ₹	Black	None	4.25 x 2.60 x 0.88	\$4.85	\$3.84	\$3.39
373333	A-21-BK ₹	Black	None	4.25 x 2.60 x 1.12	4.99	3.95	3.49
373368	A-27-BK ₹	Black	None	5.31 x 3.35 x 1.50	7.35	5.80	5.11
373456	A-42-BK ₹	Black	None	7.12 x 5.00 x 1.62	11.49	9.11	8.03
373608	A-42-9V-BK ₹	Black	1-9V	7.12 x 5.00 x 1.62	12.85	10.19	9.26

C Series — with Pinch-Fit for PCBs

- · Simple 2-piece design
- 2-insert areas for customized I-plates



3.75 x 2.40 x 1.00

5.00 x 1.85 x 1.00

3.55

3.65

2.77

2.85

675382

694612

CH Series — Single Screw Assembled

Simple 2-piece design

C-12-BK₹

C-28-BK 2

 Insert area for customized I-plate



2.15

2.48

1.97

2.01

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
675391	CH-4-BK ₹	Black	2.27 x 1.52 x 0.59	\$2.85	\$2.21	\$1.93	\$1.60
675403	CH-6-BK ₹	Black	2.39 x 1.74 x 0.76	2.85	2.21	1.93	1.60
675411	CH-8-BK ₹	Black	2.58 x 2.02 x 0.93	2.85	2.21	1.93	1.60

H Series — Handheld with Built-in Battery Holder

Black

Black

- · Ergonomic handheld design
- 5-insert areas for customized I-plates



Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
374395	H-45-BK ₹	Black	None	3.90 x 2.20 x 0.94	\$5.95	\$4.65	\$4.51
374483	H-45-AAA-BK ≉	Black	2-AAA	3.90 x 2.20 x 0.94	6.69	5.26	4.95
374424	H-65-BK ₹	Black	None	4.94 x 2.75 x 0.94	6.19	5.03	4.55
694621	H-65-TR-GY ₹	Gray*	None	4.94 x 2.75 x 0.94	11.05	8.84	7.92
694639	H-65-TR-RD ₹	Red*	None	4.94 x 2.75 x 0.94	11.05	8.84	7.92
374512	H-65-AA-BK ₹	Black	2-AA	4.94 x 2.75 x 0.94	6.69	5.26	5.05
374715	H-65-AA-TR-BL ₹	Blue*	2-AA	4.94 x 2.75 x 0.94	12.35	9.86	8.69
374723	H-65-AA-TR-GR ₹	Green*	2-AA	4.94 x 2.75 x 0.94	11.59	9.62	8.69
374635	H-65-9V-BK ≉	Black	1-9V	4.94 x 2.75 x 0.94	6.55	5.27	4.89
374758	H-65-9V-TR-BL ₹	Blue*	1-9V	4.94 x 2.75 x 0.94	11.15	8.99	8.55
374774	H-65-9V-TR-RD	Red*	1-9V	4.94 x 2.75 x 0.94	12.05	9.70	8.55
675323	H-67-BK ₹	Black	None	4.94 x 2.75 x 1.28	6.35	5.11	4.62
374547	H-67-AA-BK ≉	Black	2-AA	4.94 x 2.75 x 1.28	6.99	5.64	5.05
374942	H-67-9V-BK ₹	Black	1-9V	4.94 x 2.75 x 1.28	6.69	5.46	4.99
374459	H-75-BK	Black	None	7.19 x 3.65 x 1.26	7.55	5.93	5.59
374601	H-75-4AA-BK ₹	Black	4-AA	7.20 x 3.65 x 1.20	10.29	8.32	7.43

* Translucent

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!

Enclosures

M Series — Handheld with Built-in Battery Holder

- · Streamlined handheld design
- 5-insert areas for customized I-plates

Custonii	zca i piatos						
Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
675420	M-4-BK ≉	Black	2.80 x 2.20 x 0.70	\$5.45	\$4.29	\$3.79	\$3.78
694663	M-4-TR-RD ₹	Red*	2.80 x 2.20 x 0.70	9.35	7.50	6.62	6.59
694671	M-4-TR-BL ₹	Blue*	2.80 x 2.20 x 0.70	9.35	7.50	6.62	6.59
675438	M-6-BK ₹	Black	4.15 x 2.40 x 0.85	6.55	5.30	4.71	4.70
694815	M-6-TR-GY ≉	Gray*	4.15 x 2.40 x 0.85	11.79	9.41	8.29	8.28
694807	M-6-TR-GR ≉	Green*	4.15 x 2.40 x 0.85	11.79	9.41	8.29	8.28
675446	M-8-BK ₹	Black	6.97 x 2.40 x 0.85	7.89	6.35	5.75	5.60

^{*} Translucent

S Series — Two-piece Standard Enclosures

- · 2-piece design
- 2-insert areas for customized I-plates

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
675454	110-I-BK ₹†	Black	None	3.61 x 2.27 x 1.01	\$3.05	\$2.39	\$2.13
675462	111-BK ≉	Black	None	3.61 x 2.27 x 1.51	3.55	2.77	2.46
675471	031-BK 欠	Black	None	4.38 x 3.25 x 0.91	4.15	3.26	2.96
675489	131-BK ₹	Black	None	4.38 x 3.25 x 1.51	4.35	3.42	3.15
675569	211-BK ≉	Black	1-9V	4.10 x 2.60 x 1.51	3.55	3.36	3.02
675577	231-BK ₹	Black	1-9V	4.38 x 3.25 x 1.51	5.25	4.17	3.69
675585	231-I-BK ₹†	Black	1-9V	4.38 x 3.25 x 1.51	5.25	4.17	3.69
675497	133-BK ₹	Black	None	4.38 x 3.25 x 2.51	5.09	4.01	3.65
675500	151-BK 欠	Black	None	5.63 x 3.25 x 1.51	5.19	4.12	3.75
675593	251-BK ₹	Black	1-9V	5.63 x 3.25 x 1.51	7.19	5.63	4.55
675518	153-BK ≉	Black	None	5.63 x 3.25 x 2.51	6.65	5.22	4.18
675526	171-BK 欠	Black	None	6.88 x 4.88 x 1.51	7.55	5.98	5.43
675534	172-BK ₹	Black	None	6.88 x 4.88 x 2.01	7.19	5.71	5.19
675542	173-BK ≉	Black	None	6.88 x 4.88 x 2.51	8.49	6.73	6.12
675551	193-BK ₹	Black	None	9.50 x 6.34 x 2.51	11.95	9.48	8.36

[†] Insert on top is recessed 0.015" on all models designated with an "I"

SL Series — Sloped Top Enclosures

- · Slanted top
- 2-insert areas for customized I-plates

						_	
Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50	100
694698	05-SW-BK ≈	Black	5.63 x 3.25 x 0.91	\$5.65	\$4.70	\$4.21	\$3.59
675606	15-S-BK ₹	Black	5.63 x 3.25 x 1.51	5.19	4.12	3.75	3.64
694680	27-S-BK ₹	Black	6.88 x 4.88 x 2.49	8.65	6.85	6.23	6.03

R Series — Waterproof Cases

- Lifetime guarantee
- Airtight and UV protected
- Waterproof to 30ft, dustproof, corrosion proof
- Features auto pressure purge valve, secure lock holes, nut & bolt security, and foam-filled

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675614	R-120F ₹	Black	7.6 x 5.0 x 2.2	\$16.25	\$14.08	\$12.76
675622	R-300F 2	Black	9.59 x 7.42 x 3.98	26.39	22.73	22.23
675631	R-520F₹	Black	12.8 x 9.0 x 6.0	49.75	44.54	42.31
675649	R-720F ₹	Black	18.3 x 13.2 x 6.72	74.09	63.84	63.29

CA Series — Keychain Style w/ Battery Compartment

- Ergonomic design
- 0-4 button configuration
- Designed to hold a 20mm coin cell battery
- Assembles with two or three screws

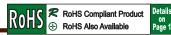
Part No.	Product No.	Buttons	Color	Size (L"xW"xH")	1	10	50
694583	CA-4, 2-BK ₹	2	Black	2.48 x 1.73 x 0.60	\$3.55	\$2.83	\$2.43
694591	CA-4, 3-BK ₹	3	Black	2.48 x 1.73 x 0.60	3.29	2.57	2.10
694604	CA-4, 4-BK ₹	4	Black	2.48 x 1.73 x 0.60	3.29	2.57	2.10

Please Note: Images used are representative. Color and shapes vary by model.

ROHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 1.



^{*} Translucent



BELLIN DYNAMIC SYSTEMS, INC.

Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.



- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 126)
- Size: 7.6"L x 5.0"W
- · Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications









Small SMT

Portion of 227299

Part No.	Prod. No.	Board Description 1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more \$45.95	\$41.35
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+ 45.95	41.35
SOIC			
215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more \$45.95	\$41.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	41.35
227328	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18. 20 to DIP .300" 45.95	41.35
227352	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18. 20 to DIP .300" 45.95	41.35
227361	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	34.46
Fine Pitc	h Dual i	Row	
215503	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more \$45.95	\$41.35
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more 45.95	41.35
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600 62.49	56.25
323900	B517	18 SMT pattern, 0.65/0.5/0.4mm TSSOP-48 to DIP 0.600	43.65
681141	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	41.45
Quad			
215511	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100	
		PLCC18, 20, 28, 32, 44	\$41.35
323918	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adapter for	
		QFP32/40/48/56/64 (by 8-pin increments to 256 pins) 59.95	44.96
323926	B519	2 SMT 0.4mm or 0.5mm pitch, universal QFT adapter for QFP32/40/48/56/64 (by 8-pin increments to 256 pins) 59.95	53.95
336479	B530	8 SMT, 0.65/0.80mm OFP/MLF 8 - 80 pins (even # of pins/side)	41.45
336487	B531	8 SMT, 0.65/0.80mm QFP/MLF 4 - 76 pins (odd # of pins/side)	32.75
336495	B532	8 SMT, 0.40/0.50mm QFP/MLF 8 - 80 pins	
		(even # of pins/side)	41.45
336508	B533	8 SMT, 0.40/0.50mm QFP/MLF 4 - 76 pins (odd # of pins/side)	32.75
681150	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/TQFP/QFN/MLF/MLP	
		4/8/12/16/24/28/32 pins	41.45
PCB Coni	nector (0.062" thick through-hole)	
227272	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB conn \$45.95	\$34.46
PitchStic	k™		
227299	B508	20 SMT pattern, 48 inline pads, metric/rare pitches \$45.95	\$34.46
227301	B509	20 SMT pattern, 48 inline pads, 50 & 25 mil pitches	34.46
		2 SMT pattern, 48 inline pads, 19.69/25.59 mil pitches 45.95	41.45

B516, B517, B518, B519, B535, B536, B537 & 3 of B500

KIT-202 1 each of B504, B508, B510, B513, B514, B516, B517.

KIT-302 1 each of B504, B505, B507, B508, B510, B513, B514, B515,

B535, B536, B537 & 2 of B500 ...









	207360	207394	207589
Part No.	Product No.		10
207360	9081 (For 8-pin SOIC)⊕	\$1.35	\$1.22
207378	9082 (For 8-pin SOIC) ⊕	3.55	3.10
207386	9161 (For 14/16-pin SOIC; 0.1"pin spacing;	0.65"H)⊕ 1.75	1.50
207394	9163 (For 14/16-pin SOIC; 0.1"pin spacing;	0.65"H)⊕ 5.4 5	4.79

Application Specific Adapters

for Surface

Mount Devices.

Part No.	Product No.	Accepted Devices	Pins	1	10
207589	33205	SOT-23-5/SC59-5	5	\$1.35	\$1.18
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6 €	6	1.95	1.69

micro Engineering Rabs

LAB-X1 Experimenter's Module Board

It provides an assembled testbed containing most of the circuitry commonly used with PICmicro microcontrollers (MCUs). Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer, and RC servo controller.

- · 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P (P/N 176882, pg 4)
- 16 switch keypad Reset button
- 3 potentiometers LED bargraph
- 2 lines x 20 characters LCD module
- Speaker
 2 RC servo connectors
- RS232 interface Size: 5.5" x 5.6" One-year warranty
- Socket for I2C & SPI serial EEPROM, RS485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector Prototyping area for additional circuit Requires: AC adapter (below)

Part No.	Description	1	10
169113	LAB-X1 Experimenter Board\$19	9.95	\$189.95
176882	PIC16F877-20/P microcontroller (pg 4)⊕	9.29	8.05
127976	AC adapter (details on pg 241)	5.25	4.59
1581222	LAB-X1 Tutorial & Resource Book	9.95	48.95

micro Engineering Rabs EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 4.

· Simple installation with parallel port (printer) interface

· Command line operation for automated, non-interactive programming

PICmicro Assembler software included

Requires: Two 9V batteries or AC adapter (below)

☼ Blue Part No. = Limited Quantity Available

Part No.	Description	I	10
132679	EPIC Plus PICmicro programmer\$59.99	5	\$53.95
136397	8/18/20-pin ZIF adapter	5	31.95
132610	40/28-pin ZIF adapter	5	31.95
162317	AC wall adapter (16VDC/500mA, details on page 242) 8.75	5	7.65
67256	6' DB25 cable (details on page 107) ⊕	5	5.79

PLCC Prototype Adapters

- Tin-plated PLCC connector
 Gold-plated round pins
 PLCC socket slotted for PLCC chip remover
- PLCC socket identifies pin 1 and orientation key

• Silkscreen numbers identify pin numbers in groups of 5 and 10







Description

Kits

Part No.

681168

681176

681184

681205

... 529.95



ISA Printed Circuit Prototyping Board

EXCLUSIVE



Printed circuit prototyping boards for virtually any application including those requiring high component densities and solder or wire wrap connections. All boards are manufactured to precise standards and specifications. All bus and circuit patterns are solder-coated for user convenience.

****** Power/Ground Perimeter Bus with Pad Per Hole

· Edge contacts: gold

	Cross		Size (Inches)	Terminals (pg 306)		g 306)	I/O Connector	Hole	# Holes	Power/	# Mounting	Wt.		Pricing	
Part No.	Ref. No.	Description	WxL	T44	T49	T421	(not included)	Pads	x Dia.	Ground Bus	Holes x Dia.	(lbs.)	1	10	25
28206	РСВ4⊕	PC/XT/AT 16-bit	4.25 x 13.13	yes	yes	yes	D-sub 9, 15 & 25	Plated through	4890 x .042"	2	4" x .120"	0.23	\$26.95	\$24.25	\$21.85

micro Engineering Rabs "PICProto" Prototyping Boards

- · High quality blank prototyping boards for PICmicro microcontrollers
- · Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- · Large prototyping area
- Solder mask on both sides makes soldering easy
- · Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement









132644 176891 132636

PICProto 18, 18L: For all 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, and 84

Part No.	Description	Size (L" x W")	1	10
132644	PICProto 18₹	3.0 x 1.5	\$9.95	\$8.95
176891	PICProto 18L	3.6 x 4.1	19.95	17.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242, and 252

132636 PICProto 3₹ 3.0 x 3.0\$14.95

PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422, and 452

132652 PICProto 642 4.0 x 3.0\$16.95



See page 329 for our **NEW** selection of Prototyping Boards.

USB Interface Universal Programmer

- · 12,000+ device types supported
- Programs EPROM, EEPROM, Serial PROM, Flash, PLD/CPLD/FPGA, and MPU/MCU
- · High speed USB port is provided to connect to the majority of notebook or desktop PCs running Windows® 95/98/2000/XP



- On-board 40-pin socket for programming 8-pin to 40-pin IC's
- Utilizes flexible pin drivers to get accurate waveforms
- · High programming speed plus over-current protection, reverse insertion detection, self diagnostics, etc. · Menu-driven software
- Single chip controller, "Yes" key for hit operation, Good and Busy LED indicators
- Load file, read master, program, verify, auto, ID check, check sum, blank check, erase, secure, protect/unprotect, edit, function configuration, and self-test functions
- Power requirements: 100 240VAC@ 50-60Hz
 Šize: 9.8"W x 8.7"L x 2.0"H

Includes: USB cable (USB A - USB B), power cord, users manual & CD-ROM software System Requirements: Intel Pentium® or compatible processor w/ 32MB of RAM, USB port, 20MB disk space, Windows® 98/ME/2000/XP/2003, CD-ROM drive

Part No.	Product No.	1	5
667403	ALL-11A	\$899.95	\$854.95

micro Engineering Rabs

PICBasic and PICBasic Pro Compiler

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- · I2C instructions to access external serial EEPROMs
- In-line assembler and call support

132661: PICBasic Compiler

- · Expanded BASIC Stamp I compatible instruction set
- Serial speeds to 9600 baud
- · May use up to 2k of code space
- Supports PC12C67x, PIC14Cxxx, PIC16C55x, 66x, 7xx, 84, 92x, and PIC16CF8xx microcontrollers
- PEEK and POKE instructions to access any register from BASIC



132661

150543: PICBasic Pro Compiler

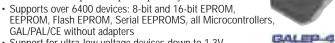
- · Direct and library routine access to any pin or register
- Automation page boundary handling past 2k Bit, byte, word arrays
- Real If...Then...Else...Endif Hierarchical expression handling • BASIC Stamp I and II library
- Interrupts in BASIC and assembler
- Built-in LCD support
 MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx, and 18Cxxx microcontrollers

Part No.	Description	1	10
132661	PICBasic compiler	\$99.95	\$89.95
150543	PICBasic Pro compiler	249.95	224.95

Universal Programmer – Pocket Size & Battery Powered

Parallel Port Interface

A unique ASIC pin driver, designed specifically for this latest generation programmer, enabling the first true universal input/output capability.



· Support for ultra-low voltage devices down to 1.3V

- High speed data transfer: 27C256 read/verify = 2 seconds; program = 8 seconds Three separately adjustable voltages for all 40-pins
- Fully compatible with Windows® 95/98/ME/NT/2000/XP
- Integrated editor's many features allow user to edit device data, which can be loaded or saved in Intel HEX, Motorola S or binary format
- Operates on AC power adapter or 6 NiMH batteries
 Size: 4.5"L x 3.1"W x 1.3"H Weight: 0.5 lbs.

Includes: Printer port data cable, power adapter and CD-ROM

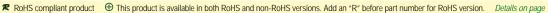
System requirements: PC with Pentium® CPU

Part No.	Description 1	5
226309	GALEP-4\$369.95	\$351.49

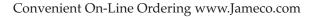
Flash Writer/Programmer with USB Interface

- · Supports Flash EPROM, EPROM & EEPROM
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Programs 8-bit Flash serial ICs via USB cable on Windows® 9x/2000/XP
- · High speed: only 22 seconds to blank check, program, and verify MXIC MX29F040
- File formats supported: binary and machine code, Intel HEX, Motorola HEX, Tektronix Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description 1	5
225947	Leaper 3D	\$179.95







Universal EPROM/Flash Programmer w/ USB Interface

- · Supports low voltage components up to 2.5V; user selectable verify Vcc with one or two-pass verify voltage
- High speed: 30 sec. to process 16Mbits memory Auto detect device pin insertion and contact check
- Select device brand & number by prompt and convenient cross search, Flash memory auto detection
- · Supports EPROMs, EEPROMs, Flash EPROMs, Serial E/EPROMs, NV RAMs, Microcontrollers, DSPs and PLDs
- Supports file formats JEDEC, binary, Intel 80/86 HEX, Motorola HEX, Tektronic HEX

Includes: USB cable, 12V@1.5A power adapter and CD-ROM software

System requirements: Pentium® II or higher, 32MB RAM minimum, 30MB hard disk space, Windows® 98/ME/2000 operating system

Part No.	Description	1	5
225939	Leaper 48\$554.	95	\$531.19

512k E(E)PROM/Flash Programmer w/ USB Interface

Compact, portable, and lightweight stand-alone E(E)PROM Flash programmer. Also interfaces with your PC through the USB port.

- · Programs EPROMs, EEPROMs, Flash EPROMs & more
- 2 sockets for master/slave operation
- · Stand-alone mode uses two 9V batteries
- · IC parameters are adjustable such as programming algorithm, Vpp voltage, and pulse width
- Supports file formats binary and machine code, Intel HEX, Motorola HEX
 Supports Windows® 95/98/NT/2000/ME/XP
 Size: 6.3"L x 4.3"W x 1.8 • Size: 6.3"L x 4.3"W x 1.8"H

Includes: USB cable, 12VDC @ 500mA power adapter and CD-ROM

Part No.	Description	Lower \$\$\$	1	5
220636	Leaper-3C		\$275.05	\$259.95

XELTEK 3400+ Device, 40-Pin Programmer

- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & Flash
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- · Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- · High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP
- Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H
- · Weight: 4.0 lbs.

Includes: Power adapter, parallel cable, user's guide and CD-ROM software

Part No.	Description	1_	5
231183	SuperPro-Z universal programmer	\$244.95	\$232.69

XELTEK

30,000+ Device/48-Pin USB Stand-Alone **Gang Programmer**

- · 4 high speed 48-pin DIP programming sockets with four 128MB flash cards
- Supports 30,000+ devices, and growing
- Operates in both PC and stand-alone mode for volume production
- · Programs latest low voltage devices
- · Asynchronous fast programming, each
- module is independent from one another
- ISP (in-system programmable) devices supported
- Programming starts automatically when a chip is inserted Supports EPROM, EEPROM, serial EPROM, paged EPROM, serial PROM, flash EPROM (NOR & NAND), NVRAM, SPLD, ČPLD, EPLD, MCU, microcontroller, SRAM, and standard logic devices with voltages down to 1.5V
- · Stand-alone interface: 16 characters x 4 lines backlit LCD, 6 standard hardkeys, 4 compact flash cards (removable which can support up to 256MB)
- Operating voltage: AC input of 90V to 250V@50/60 Hz, or 24V@5A power adapter
 Size: 21.3"L x 7.7"W x 2.3"H

Includes: 4 128MB CF cards, AC adapter, CD-ROM, USB cable and user's guide

Part No.	Description	Lower \$\$\$	Price
692490	SUPERPRO 9000U programmer		

13,000+ Device USB Only Programmer

USB Interface

 Universal device (13000+) support includes the latest NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, GAL, FPGA, and Microcontrollers





On-board FPGAs for extremely fast communication Supports real low-voltage support: 5, 3.3, 2.7, and

1.8 volt for programming power Detects all pin locations for poor or damaged pin contacts

External "Start" key allows customer to execute the optional auto program parameters without PC command.

- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors • External power supply, 110 or -240 VAC
- Support a high-speed USB2.0 port for PC interface
- Support a standard IEEE-1149.1 (JTAG) port

Includes: USB cable, wall adapter, program CD and manual



System Requirements: IBM PC 386,486, Pentium® or compatibles with USB port, Windows® 98/Me/2000/NT/XP, Hard drive, 512K RAM

Part No.	Description	Socket	1	5
94866	CHIPMAX 2	48-pin ZIF	. \$544.95	\$517.75

Parallel Port Interface

5000+ device types supported including(E)EPROM, PROM, Serial PROM, PALCE, GAL, Flash memory, microcontrollers, ATF

Includes: Parallel cable, wall adapter, diskette & manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium® or compatibles, DOS 2.11 or greater, Windows® 95/98/2000/NT/XP; hard disk, 512k RAM & parallel port

Part No.	Description	Socket	1	5
207731	CHIPMAX	40-pin ZIF	\$349.95	\$332.95

XELTEK 19,000+ Device 48-Pin USB Programmer

- · High speed programming, 32Mb flash in 13.5 seconds (program + verify)
- ISP (in-system programmable) devices supported
- Supports EPROM, paged EPROM, parallel & serial EEPROM, FPGA configuration serial PROM, FLASH memory (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, microcontroller, MCU, standard logic
- Standard 48-pin universal drivers and adapter
- Advanced hardware features minimized bounce noise
- · Pin continuity & wrong chip insertion check prevents chip from accidental damage
- Over current and over voltage for programmer hardware
- Software supports Windows® 98/ME/NT/2000/XP

692457: supports 19,000+ devices from 132+ IC manufacturers 692449: supports 27,000+ devices from 146+ IC manufacturers

Includes: Power adapter, user's guide, program CD, and USB cable

Part No. Description Price 692457 SUPERPRO 280U programmer \$524.95 692449 SUPERPRO 580U programmer



35,000+ Device 48-Pin **USB/Stand-Alone Programmer**

 Fastest low-cost programmer in the market: programs high-density Flash memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)

Currently 35,000+ devices supported from 140+ manufacturers including memory, MCU, and PLD

Supports: EPROM, Paged EPROM, Parallel/Serial EEPROM, FPGA Configuration Serial PROM, Flash Memory (NOR and NAND), BPROM, NOVRAM,



231221

Lower \$\$\$

SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic

- Reliable programming of low voltage devices down to 1.5 volts
- Over-current/over-voltage protection for safety of the chip & programmer hardware
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Size: 9.4"L x 5.9"W x 2.0"H · Weight: 5.0 lbs.

Includes: 12VDC @ 2.5A AC adapter, program CD, USB cable and user's guide

Part No.	Description	5
231221	SuperPro-3000U USB universal programmer \$989.95	\$940.45
231255	32-pin PLCC adapter	\$90.25

High-Speed Universal Device Programmer/Tester

Parallel Port Interface

· Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & Microcontrollers

8000+ device types supported

- · Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed; 4X faster than offshore brands
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Current limiting protects hardware circuits from improperly inserted or defective chips
- Supports POF and JEDEC formats

High-speed device function tests and user creatable test library

- · Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors
 CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Part No.	Description	Socket 1	5
207765	TOPMAX	48-pin universal ZIF \$875.95	\$681.86

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

HI-LO SYSTEMS

EPROM Eraser

- · Erases all UV erasable EPROMs (32-pin)
- Upper & lower erasing chambers hold a total of 16 EPROMs
- · One-year warranty
- Conductive foam liner eliminates static build-up
- Size: 8.5"L x 2.8"W x 2.8"H Weight: 1.6 lbs.

Includes: AC adapter - 9VDC @ 600mA and a timer which turns eraser off at the end of the selected time period – 10 to 60 minutes

Part No.	Description	1	5
121267	EPROM eraser	\$154.99	\$149.99

₩Į IVP

EPROM Eraser and Accessories

- · Erases 1 chip in 15 min. or 8 chips in 21 min.
- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²
- · Weight: 2.3 lbs.
- Size: 9.0"L x 3.7"W x 2.6"H

Part No.	Description 1	5
15712	8-chip eraser ⊕	\$101.49
34382	Lamp for 15712 ⊕	29.95
13864	Foam (12" x 24" x 0.25") 🕀	8.35

AMECO

Solderless Breadboards

ValuePro The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC EXCLUSIVE breadboard power supply, P/N 77682 (pg 313).

- · Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry • 0.1" hole spacing
- · Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
 One-year warranty
 WBU5 and JE series do not interconnect



20774 20758



20791



20811

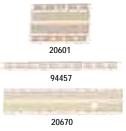
Attention Educators! Buy jumper wire (pg 313) in bulk and SAVE! (see Hook-up Wire on page 103)

WBU5 Series Key Features:

- · Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- · Round hole design makes the electric connection better
- · Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body CMOS safe
- · Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- · Breadboard strips connect together to form larger working areas
- · Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 313)
- · Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)





136901



421315

			rerminai	Bus	Contact	Binding	Breauboaru	Basepiale	weight		PH	ing	
	Part No.	Product No.	Strips	Strips	Points	Posts	Size L" x W"	Size L" x W"	(lbs.)	1	10	50	100
	94457	JE19⊕	0	1	100	0	6.5 x 0.4	_	0.04	\$2.65	\$2.39	\$2.15	\$1.95
d	20601	JE21 ₹	1	2	400	0	3.3 x 2.1	_	0.13	5.25	4.73	4.25	3.83
Ш	20670	JE22 ₹	1	0	630	0	6.5 x 1.4	_	0.20	5.49	4.95	4.49	3.95
	194299	JE37 ₹	1	2	640	0	6.9 x 2.4	_	0.25	9.95	8.96	7.16	5.37
	20723	JE23 ₹	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.39	8.45	7.61	6.85
	194271	JE34⊕	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	15.95	14.85	14.11	13.40
	20758	JE24 ₹	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
	136901	WBU504 ⊕ 🌣 *	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	19.55	17.85	16.15	14.45
	20774	JE25 ₹	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
	20791	JE26 ₹	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
	20811	JE27⊕	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

20011	JLZ1 U	4	,	3,220	7	7.5 X 7.5	7.3 X 0.3	1.40	33.37	30.23	27.21	24.47
	Great Savings on Breadboard Test Leads											
Part No.	Part No. Description						1	10	25			
421315	Breadboard pin t	o breadboard pi	n test leads (2	0 pk). 4 each col	or-coded (r	ed. vellow. blue. black. w	hite). 24 AWG wire. 5.9	I wire length	(150mm)⊕	\$12.95	\$11.69	\$10.49



Our most popular

digital lab!

International

115/220VAC

Switchable

120/220VAC

Switchable

8 data switches
 2.5" dia. 8Ω, 25W speaker

AC/DC Power Supply

Ideal for Breadboards on previous page

Input power: 120/220VAC @ 50-60Hz (switchable)

Compatible with test leads P/N 77841, pg 285

Size: 7.4"W x 5.5"D x 2.6"H • Color: beige

Output Specifications:

+5VDC @ 1A;

-5V @ 300mA fixed;

0 to +15VDC @ 500mA variable;

0 to -15VDC @ 300mA variable;

12-6-0-6-12 tapped VAC,

300mA fixed

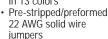
201890



Wire Jumper Kit (350 pcs.)

· 25 each 0.1" to 5.0" lengths (14 sizes)

 350 assorted lengths in 13 colors





19290: 350-piece wire jumper kit

· Handy, durable, clear plastic case

20080: 350-piece refill for 19290

Case not included

Part No.	Description	1	10	50	100
19290	Wire jumper kit 🗷	\$15.95	\$14.39	\$12.95	\$11.65
20080	Refill for 19290 🗷	10.99	9.89	8.90	8.01

Reinforced Jumper Wires

· 24 AWG-300 volts

· Reinforced pin ends for durability

10 pack assortment: 2 each



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211668

211676

		Cros	_		ona	+h	
O Blu	ie Par	t No. = L	imited	d Qua	ntity	Availabl	е
ye	HOVV,	wille,	reu,	DIAC	ĸα	blue	

	Cross	Length			
Part No.	Ref. No.	(mm/inch)	1	10	100
126359	JW50⊕	50/1.97	. \$3.95	\$3.49	\$2.95
126342	JW100 🕿	100/3.94	4.95	4.49	4.05
126324	JW200 ⊕ ○	200/7.87	5.19	4.69	4.25



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- · Light durable construction
- Case may be grounded separately
- · Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- · Weight: 0.7 lbs.

- · 1% resistance substitution from 1Ω to $11.111110M\Omega$
- 7 decade ranges of resistance · Values can be changed in 1Ω increments

211676:

5 decade ranges of capacitance

5% capacitance substitution from 100pF to 11.111uF

	· · · · · · · · · · · · · · · · · · ·	, L
Part No.	Description 1	10
211668	Resistance \$98.95	\$93.95
211676	Capacitance 128.95	122.45

Fabricating Printed Circuit Boards

Newnes Publishing Designing and fabricating a single-printed circuit board for a design prototype or producing boards for a limited number of devices can be a major headache for electronics engineers and hobbyists. In this hands-on guide, the author describes the complete process of

taking a schematic diagram and using it to produce a printed circuit board. (236 pages, 2002)

Size: 7.0" x 9.3"

Blue Part No. = Limited Quantity Available

Part No.	Description	Price
667391	Printed Circuit Boards Book ©	\$27.49

Digital/Analog Design Labs · Two 7-segment displays (digit height: 0.3")

One-year warranty

Solderless Breadboard

· Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

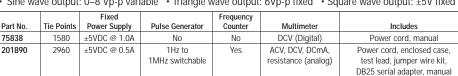
DC Power Supplies

- DC supplies equipped
- with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)

 Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz

Sine wave output: 0-8 Vp-p variable
 Triangle wave output: 6Vp-p fixed
 Square wave output: ±5V fixed



Blue Part No. = Limited Quantity Available

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.) 1	10	25
75838	Digital lab 🛭	10.6 x 13.3 x 5.0	8.1 \$276.95	\$249.95	\$226.95
201890	Digital/analog lab	13.9 x 12.8 x 4.9 (back panel)	11.8 429.95	365.46	305.56

Digital/Analog Design Lab

Solderless Breadboard

· 2712 interconnected nickel-plated tie points, fitting all DIP sizes and International

all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

 Variable DC output: 0 to +15V & 0 to -15V @ 500mA Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA

Input power: 120/220VAC @ 50-60Hz (switchable)

Function Generator • Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz Sine wave output: 0–8 Vpp variable • Triangle wave output: 0–6 Vpp variable • Square wave output: 0–8 Vpp variable Other features:

- 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 2 pulse switches (2 sets of outputs: Ā, A, Ā, B, B)
 2 banana sockets, 2 BNC jacks
 One-year warranty
- Two 7-segment LED displays (digit height: 0.3") 8 red LEDs with separate input terminals

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136266	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	\$399.95	\$379.95	\$341.99
319214	Replacement breadboard ⊕	6.7 x 6.5 x 0.4	0.5	24.45	22.28	21.16

Powered Project Boards

- Solderless breadboard with 2420 tie points
- · Power switch with light · Outputs are short-circuit protected

· Weight: 6.8 lbs.

Includes: Power cord

136258: fixed power:

+5V @ 1A; variable power: 0 to ±15VDC @ 500mA

Back panel has ground terminal

- · Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)

CE

- Replacement fuse: P/N 103907, pg 93
- Breadboard size: 7.4"L x 6.8"W
- Enclosure size: 9.8"L x 8.0"W x 2.6"H

· One-year warranty



- Front panel has color coded terminals for DC output power supply, adjustable knobs & ground terminal
- Input voltage: 110/220VAC @ 50-60Hz switchable
- Breadboard size: 5.8"W x 6.5"L Enclosure size: 10.0"L x 7.8"W x 2.4"D

Part No.	Description	1	10	25
136258	Powered breadboard .	. \$99.95	\$94.44	\$92.67
1537264	Powered breadboard .	84.05	75.00	64.00



136258



International 120/220VAC

Switchable

power supplies.

With built-in short-proof regulated

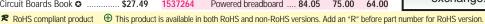
· Indicator lamps and power fuses

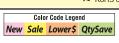
· For both digital and analog circuits

· Just plug in and start to use

Compact & lightweight

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 322.







\$99.95



Robotic Controller Kits

Board of Education Full Kit

The Board of Education Full Kit is a concise package of all the hardware you need to begin building projects with the BASIC Stamp microcontroller. Everything you need is



included except for a power supply, components and parts to build projects. So if you plan to purchase the Stamps in Class parts and kit selections or if you have a workshop full of LEDs, resistors, capacitors, sensors and more then this is the right kit for you.

- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery
- DB9 connector for BS-2 programming and serial communication during runtime
 Female 10-pin dual row connector for
- optional AppMods P0 P15 I/O pins Includes: Board of Education carrier board, BS-2

Includes: Board of Education carrier board, BS-2 module, pluggable wires, serial cable and CD-ROM

Part No.	Product No.	1	10
1536907	28103	\$118.95	\$96.99

Boe-Bot Full Kits

Now with Robotics text v2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The Board of Education and Basic Stamp may be removed



(not incl	uaea).	
Part No.	Product No. 1	10
282933	28132 (serial) \$148.45	\$147.09
387997	28832 (USB) 148.45	147.09

Microcontroller Application Cookbook Vol. 1 & 2

Vol. 1 is a wide-ranging collection of 113 interface circuits designed around the BASIC Stamp 2. For somebody getting started with microcontrollers. Discusses timing diagrams,



interfacing, A/D conversion and how to control a high-voltage circuit with asolid-state relay.

Vol. 2 is a new collection of 154 interface circuits

designed around the BASIC Stamp 2.

Blue Part No. = Limited Quantity Available

Part No.	Product No.	1
282925	28113 9	\$59.95

Advanced Toddler Robot Kit

Walking robots have mechanical and software interdependencies that require in-depth examples and explanation.
The Advanced Robotics text is an introduction to the Toddler robot's basic movements. Students using the Toddler robot will



learn advanced embedded programming with BASIC, efficient code development, sensor feedback, and general control. Because of the number of possible movements, we consider the Toddler to be appropriate for those aged 14 and above.

• Height: 10"

• Weight: 4.0 lbs.

Includes: 155-page Advanced Robotics text in the Stamps in Class style and the 351-page BASIC Stamp Manual © Blue Part No. = Limited Quantity Available

Part No.	Product	No. 1	10
282837	27310	\$248.95	\$236.49

BS2 Educational Starter Kit

This complete "Getting Started" kit is enhanced to include the What's a Microcontroller? (WAM) curriculum. Includes all of the BASIC Stamp hardware required to complete the activities and challenges. With this



latest edition of the kit, you will receive the What's a Microcontroller? parts and text making this combination a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamps.

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Part No.	Product No.	1	10
282829	27207	\$158.95	\$152.95

Basic Analog and Digital Parts & Text V1.2

Covers the essentials of 8-bit A/D & D/A conversion using a BASIC Stamp. Introduces PBASIC commands for A/D conversion with resistor/capacitor circuits, interfacing an ADC0831 8-bit



A/D converter, scaling analog outputs into meaningful digital values, analyzing time-varying signals and using PWM as analog output.

Part No.	Product No.	1	10
282950	28155	\$43.05	\$40.20

Stamp Works Kit Plus

This all-in-one kit takes you beyond theory, into a well-written collection of 35 experiments that will teach you first class BASIC stamp programming. You'll learn to get the most out of the BASIC Stamp and to increase its versatility by connecting to popular active and p



popular active and passive components.

Weight: 10 lbs.

Includes: Stamp Works experiments and Basic Stamp Source Code book, Basic Stamp Syntax and Reference Manual, professional development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N parallel-in/serial-out 8-bit shift register, LM358N low-power dual op amp, DS1620 digital thermometer and thermostat, (2) 74HC595CN shift register, 24LC32A 32k I2C serial EEPROM, MC14489 lamp display driver, serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	Price
661116	27297 kit	\$248.95

BS2P Professional Starter Kit

Provides the engineer with all the parts required to get started with the BS2P microcontroller. The kit includes a selection of components and ready-to-run source code that

will help master some of the exciting new features of the BS2P.

Includes: Manual, BS2P demo board, BS2P-24 microcontroller, DB9 (serial) programming cable, PCF8583 chip, 32.678kHz crystal, 24LC32 serial EEPROM, DS1822 thermometer, (3) 4.7K resistors, jumper wires

Part No.	Product No.	1	10
202323	27235 kit	\$194.95	\$175.49
282984	45187 BS2P40 demo board .	88.95	84.95

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. 1-800-831-4242



Interested in more kits? Visit Jameco's RobotStore at <u>www.RobotStore.com</u>



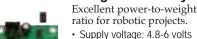
Drico

Servo Controller

Controls up to 16 servos and may be networked together to control 32 servos using a single I/O line.

- · 2400 to 384k baud serial port
- 63 ramp rates
- 16-bit PWM timers
- · RS-232 serial protocol

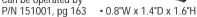
Part No.	Product No.	Description	1	10
282896	28023	Servo controller	\$38.95	\$36.95



Speed: 16 seconds to 60°

Torque: 49 oz.-in. @ 4.8V

Can be operated by



Part No.	Description 1	10
157067	Robotic servo \$19.95	\$17.95

High-Efficiency Robotic Servo

Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

· Torque: 161 oz.-in.

· Power supply: 4.8-6 volts

 Speed: 19 seconds to 60° Can be operated by P/N 151001, pg 163

Part No.	Description	1	10
166351	Giant robotic servo	\$44.95	\$42.69

26-Pitch Press-Fit Gears and Gear Set

- · Works with DC motors with 0.156" and 0.078" shaft diameter
- · Heavy-duty plastic construction
- · Diametral pitch: 26
- · Material: polyethylene resin

131801: 20-piece gear set includes two each of 10, 20, 30, 40 and 50 teeth gears and ten bushings

Part No.	Description	Bore Size	Dia.	Works w/ Shaft Dia.	Outer Gear Dia.	1	10	100
162077	20 teeth gear	0.149"	0.756"	0.156 (5/32)"	0.842"	\$.89	\$.69	\$.49
162085	30 teeth gear	0.149"	1.142"	0.156 (5/32)"	1.225"		.69	.49
162392	Bushing	0.075"	_	0.078 (5/64)"		28	.25	.22
Part No.	Description					1	10	50
131801	Gear set - 20 pie	ces of all the gea	rs and bush	ings shown above		\$7.99	\$7.29	\$6.49

16-Pitch Sprocket Set and Chain

- · Operates in high humidity and corrosive environments
- · Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.







\$4.15

10

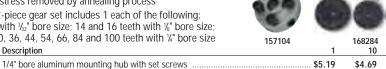
168276: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with \" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with \" bore size

Part No. Description 10 25 \$8.95 \$7.95 157075 Drive chain (12" long) 168276 23.89

Hub and 48-Pitch Gear Set

- · Low coefficient of friction requires little or no lubrication
- · Residual stress removed by annealing process

168284: 12-piece gear set includes 1 each of the following: 10 teeth with 3/32" bore size; 14 and 16 teeth with 1/8" bore size; 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1/4" bore size Part No. Description



Gear set – 12 pieces (see description above) "D" Type Bore Pinion Gears

Black Nylon

157104

168284

"D" type hore

י אני	C DOIC						
Part No.	Description	Pitch	Bore Dia.	Dia.	1	10	100
662581	30 tooth gear	18	0.232"	0.610"	\$.89	\$.69	\$.49
662590	32 tooth gear	9	0.315"	1.325"	1.09	.89	.69

Quantity SAVE

162000

1.15

1.05

162288 (Coupler

Spider Couplers

- · Used with motors
- · 1 set screw per hub · Hub OD:
- 0.625" Dia.

162000

· Hub length: 0.56"



Rubber spider 1.29

Climax Spider Shaft Coupler

2 set screws (10-32 x 1/8)

662581

Size: 0.75"L x 0.5"OD



Gears and Shafts Kit

Bag of 10 gears, shafts and accessories. Great for science projects. All parts fit 2mm shaft motors.

Part No.	Description	SALE	1	
215298	Gears and shafts	kit	\$5.59	\$4

Crossbow

Accelerometer Evaluation Boards

Dual Axis

Evaluation board for the ADXL202, dual axis, 2g accelerometer.

177308: features RS-232 interface to connect to PC serial ports. Also includes software to display real time acceleration data.



177308

141575

Part No.	Product No.	Description 1	10
177287	ADXL202EB	Dual axis \$59.95	\$53.95
177308	ADXL202EB-232	w/ RS-232 164.65	150.29

Crossbow Accelerometer

Triple Axis Accelerometer

- Dynamic range and excellent frequency response
- Current: 24mA
- · Shielded cable: 2-foot pigtail
- Acceleration range: ±4g
- Size: 1.9"L x 1.0"W x 0.8"H

Requires: 5VDC power supply, not included (recommend P/N 164101, pg 240) Part No. Description



Mobile Robotic Car Design Book

McGraw Hill This book describes in complete detail how to build a robotic car. It provides detailed photographs, schematics, list of vendors for parts, and provides software code for the processor and the digital signal processor with an explanation of what the code

does and why. Printed circuit board files are free and can be downloaded from www.books.mcgrawhill.com/authors/Kachroo Mellodge. (278 pages, 2005) Dart No Description

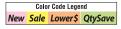
raitivo.	Description	FIICE
313592	Mobile Robotic Car Design	\$23.95

Flex Sensor

- Maximum resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Nominal resistance: 10Ω
- · Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description 1	10
150551	Flex sensor \$12.95	\$11.65

More at www.RobotStore.com



200336

Tyrannosaurus Kit

Hovercraft Kit *9* 25-piece kit

This super kit is fun to build and a "blast" to run, but there's a bonus: education! Through the kit's curriculum (available online), budding scientists and engineers will learn principles of electricity and circuits, propellers, conversion of energy and other core concepts. And at the end of the learning process, they'll have a cool, battery-powered hovering vehicle that can glide over any smooth surface, even water!



Part No.	Description	Price
285641	Hovercraft kit	. \$21.79

Fuel Cell Car Kit 39-piece kit

Build a car with this kit that runs on water and watch as it turns water into hydrogen and oxygen, forming a gas to power your fuel cell car. Includes manual, explains how to build a solar powered car, the effects of direct and indirect radiation, the characteristics of a solar module, how to construct and load a reversible



ruer cen,	and the decomposition of water in the fuel cell.	
Part No.	Description	

Part No.	Description	10
307723	Fuel cell car and experiment kit	\$125.95

Power House Kit 59-piece kit

Now you can build, heat and illuminate an energy-efficient house. Get to know and use the power of the sun, wind and new technologies. Conduct 70 experiments and build more than 20 devices with this Power House Kit.



Includes: 100-page full color manual

Part No.	Description	1	10
307731	Power house kit\$1	39.95	\$125.95

Obstacle Avoidance Robot Kit A 107-piece kit

Six crank motion legged robot utilizes an infrared light sensing system to find obstacles and maneuvers itself around them. This IR detection kit includes an infrared diode, photo diode, IC, 2 DC motors and all hardware.



Part No.	Description	Dimensions	Wt. (lbs.)	1	10
140821	Spider kit	12.0"L x 7.0"W x 3.5"H	1.2	\$51.49	\$46.89

vellemen

Micro Bug Kits

A brightly colored miniature bug-shaped robot that is attracted to light.

· Two open chassis sub-miniature motors

LED "eyes" indicate driving direction

Adjustable light sensitivity that suits almost any light conditions
 Stops in total darkness
 Size: 4.0" x 2.4"

Requires: 2 AAA batteries (recommend P/N 249181, pg 250)

			, 1.3		
Part No.	Product No.	Description	Pieces	1	10
200328	MK127	Running	26	\$18.95	\$16.95
200336	MK129	Crawling	29	21.45	19.35

Motorized Wooden Kits

Kits, ideal for your child.

These kits come with "kid friendly pre-punched wooden parts, gearbox, gears, shafts, switch, motor, and battery holder. A marvelous way to learn about gears and transmissions for ages 8 and up. These kits require no glue or soldering, just a few simple hand tools,

and 2 AA batteries (not included; see pages 250 & 251 for batteries).

· Gear driven transmission	Part No.	Description	Price
· Requires: knife, screw driver,	242915	Stegosaurus kit	\$11.95
and long-nose pliers	242923	Tyrannosaurus kit	11.95

Robotic Arm Trainer Kit **A** 109-piece kit

Five Axes of Motion

owi

Teaches basic robotic sensing and locomotion principles while testing your motor skills as you build and control the arm. This unit can be commanded or instructed through its wired controller to grab, release, lift, lower, rotate wrist, and pivot sideways. • Max. height: 20.1"

- Max. length: 14.2"

- Max. lifting capacity: 4.6 oz.
 Shoulder movement @ 120
 Grip opens to 2" wide
 Elbow moving range @ 135"
- Wrist rotation clockwise or counter clockwise: 340°
- · Rotates left to right at the base 350° Weight: 4.5 lbs.

Requires: 4 D batteries (recommend P/N 215845, pg 250)

Part No.	Description 1	10
157366	Robotic arm kit (unassembled)\$75.79	\$68.25
159345	Robotic controller software (DOS 4.2 & up, Windows* 95/98) 84.95	76.49

How it works ... Pressing the

MONDO•TRONICS Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

Includes: Crimps and instructions

		Wire Dia.	Linear Resistance	Typical Current	Deform Weight*	Recovery Weight*	Typical	Pric	ing
Part No.	Description	(microns)	(ohm/m)	(mA)	(grams)	(grams)	Rate**	1	10
141321	100LT	100	150	180	28	150	33	\$17.95	\$15.95
141874	150LT	150	50	400	62	330	20	16.95	15.29
160055	375LT	375	8	2750	393	2000	4	22.95	19.95
* Multiply by	Multiply by 0.0098 to get force in Newtons ** Cycles per minute, in still air, at 20° Centigrade								

switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.



Controller

157366



LEGO[®] **Mindstorms**[®] **NXT Kit 577**-piece kit

Create the smartest, strongest and most advanced LEGO robot ever. The new NXT Intelligent Brick, your robot's "brain," features a powerful 32-bit microprocessor and more memory, plus support for USB 2.0, Bluetooth and more!

- New sound sensor
- · Matrix display
- New ultrasonic visual sensor responds to movement
- Improved touch sensor reacts to touch and release
- Light sensor detects different colors and light intensities

Requires: 6 AA batteries required (not included) • Blue Part No. = Limited Quantity Available Description Price



velemen

1 Amp Power Supply Kit 12-piece kit

Provides a regulated voltage adjustable between 1.2 and 35 volts at 1 amp. LM317 regulator gives you remarkably better ripple and regulation characteristics than conventional regulators.

· Output current max.: 1.5A · Max. input voltage: 40V

· Max. dissipation: 15W (cooled)

Requires: 25.2VCT @ 2A quick connect power transformer (recommend P/N 102103 or equivalent, pg 245)

Part No.	Product No.	Dimensions	1	10
117621	K1823	2.1"L x 2.1"W	\$12.95	\$11.65

DC to Pulse-Width-Modulator Kit A 40-piece kit

The circuit converts a DC voltage into a series of pulses, directly proportional to the value of the DC voltage.

Operating voltage: 8 to 35VDC

PWM frequency: 100Hz to 5kHz (adjustable)

· Min. consumption: 35mA · Max. output current: 6.5A

Efficiency: better than 90% at full load

Adjustable sensitivity: 2.5 to 35VDC

PWM range: 0 to 100%

Part No. P	roduct No.	Dimensions	Wt. (lbs.)		10
120539 K	(8004 3	.3"L x 1.9"W x 1.8"H	0.5	\$22.95	\$20.49

Dual Adj. Regulated Power Supply Kit 48-piece kit

Build a dual adjustable power supply for your circuits.

 Adjustable positive/negative supplies ±5 to ±15VDC, 175mA-750mA per supply LED on indicator

 PC board construction 120VAC input



DC Voltage Monitor Kit • 46-piece kit

If battery status is important, you need this kit. It uses 7 LEDs to monitor 12VDC in 1V, 0.5V, or 0.25V steps. Monitor 8V or 5V in 0.25V steps. Great for boats, motor homes, model planes or race car NiĈADs.

Part No.	Cross Ref. No.	Dimensions	1	10
181833	VM-1	2.7"L x 1.3"W	\$8.95	\$7.95

Vallaman Lead Acid Battery Charger Kit ■ 62-piece kit

For charging and maintaining both open and sealed type 6V or 12V lead-acid batteries. Can be hooked-up to the unit for an indefinite time, and will be kept in optimal condition.



Requires: 18V/25VA transformer (P/N 149957, pg 245)

Part No.	Description	1	10
239521	Lead acid battery charger kit	\$36.95	\$35.15

zelemen

Code Lock Kit 67-piece kit

- · Switch an alarm on and off or open door locks
- 3000+ codes possible · LED indicates state
- · Pulse or switch outputs
- · Relay contact rating: 5A/220V

Requires: 8-12VAC power supply (P/N 100061, pg 243)



Wellemen Jumbo Single-Digit Clock 37-piece kit

- · Time displayed as sequence of digits
- Bright 57mm (2.25") jumbo single-digit red 7-segment display
- 12 hour system Single button operation
- "Blank Display" function
 Power supply: 9 12VDC @ 150mA (max.) · Accuracy: 30ppm





Multifunction Clock Kit ■ 335-piece kit

A multifunctional clock with six 1.42" high digits that indicate time, date and temperature. Includes a countdown function to a specific date with the last day displayed in



HH:MM:SS. Also functions as a chronometer with lap function (1 second resolution), a scoreboard (two players or teams, counts up to 199), a random number generator from 00 to 99, 2-digit dice, counter and chime. US and European display option for time, date, and temperature formats.

- Fixed 433.92MHz transmitter frequency
- Temp. range: -20°C to + 70°C (10 resolution): 0°F to + 1500°F (20 resolution)
- Memory back-up option: 9V battery or rechargeable battery
- Relay output: 1A/24V max
 Power supply: 12VDC @ 300mA (not included)
- RF key chain remote control (battery not included) PCB size: 10"L x 32"W

Part No.	Description	1	10
319281	Multifunction clock kit	. \$99.95	\$94.50

CEBEK Second to Minute Timer Modules

By triggering the timer, the contacts will be engaged. Once this time has expired, the relay will remain in the off state for 3-60 seconds. It then restarts, repeating the on and off process until power is disconnected.



 Output contact rating: 5A @ 200VAC Dimensions: 3.0"L x 1.7"W x 1.2"H Requires: Power supply 12V @ 50mA (recommend P/N 100095, pg 241)

Blue Part No. = Limited Quantity Available

Part No.	Description 1	10
147871	I-1 timer 3 \$19.95	\$17.95
147846	I-10 timer	22.91

Function Generator Kit ■ 21-piece kit

Sine, Triangle and Square Wave

Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.



• 21-piece kit (chip, components, PC board, hardware)

Requires: 12VDC supply or ±6VDC split supply (recommend P/N 20626, pg 317)

Part No.	Cross Ref. No.	Dimensions	1	10
20685	JE2206	4.1"L x 1.5"W \$2	4.95	\$22.95

Logic Probe Kit • 13-piece kit

This logic probe tests digital circuits at various points, and shows whether that point is high, low, or constantly changing. This will help you understand and troubleshoot logic gates, timers, clocks, counters, pre-scalers, and other digital circuits.



Part No.	Description	Dimensions	1	10
662725	Logic probe kit	4.0"L x 0.75"Dia.	\$9.95	\$8.96

Infrared Transmitter/Receiver Kit

Transmit a 40kHz modulated IR signal a distance of 6' to 8'. Can be used as a remote switch to turn objects OFF and ON by infrared. The IR receiver will only receive 40kHz modulated infrared light. You can configure the output for normally ON or normally OFF

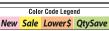


operation. This allows you to use it as a security sensor or as a remote control switch. You can use the receiver to test TV or VCR remote controls.

 Transmitter size: 1.0"L x 0.8"W
 Receiver size: 1.4"L x 1.2"W Requires: 6 to 15VDC battery (recommend P/N 151095, pg 250)

ı	Part No.	Cross Ref. No.	Description	1	10
	177092	IR-2	Transmitter/receiver	\$24.95	\$22.49

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.



Super Snooper Big Ear Audio Amplifier Kit

17-piece kit

Listen through walls, hear conversations across the room or listen to sounds a block away. Add a parabolic reflector or mount the microphone in a tube to isolate unwanted noise and make a directional microphone.

Operating voltage: 9VDC (recommend P/N 151095, pg 250)

Includes: Instructions, outputs for speakers or headsets, and schematic

Part No. Description Dimensions 151204 Audio amplifier kit 1.8"L x 1.0"W x 0.6"H .. \$10.95 \$9.95

FM Stereo Transmitter Mini Kit 37-piece kit

Run your own FM radio station! Plug any stereo signal into this unit and it will be transmitted to any FM radio. Tuneable from 88–108MHz. Plug in a CD player or tape deck and you have a wireless link to an FM radio within 200 feet. Clarity is approximately 40dB stereo separation.

Requires: 9VDC power supply (recommend P/N 151095, pg 250)

Part No.	Description	Dimensions	1	10
151239	FMST-100 stereo kit	2.7"L x 2.0"W	\$29.95	\$26.95

Valleman FM Transmitter 26-piece kit

Mini FM transmitter (100–108MHz) ideal for family broadcasts, baby monitors and security. May be received by any portable FM radio or tuner.

Integrated pre-amplifier (sensitivity 5mV)

Requires: 9-12VDC power supply (recommend P/N 20626, pg 317)

Part No.	Product No.	Dimensions	1	10
117604	K1771	1.8"L x 2.8"W	. \$10.75	\$10.55

vallamen FM Radio Kit 65-piece kit

Easy to assemble - no coils to wind. Receives the complete FM band of 88-108MHz.

- · With on/off switch, volume control, and LED indicator
- · Single adjustment

Requires: 12VDC @ 100mA power supply (recommend P/N 100095, pg 241)

Part No.	Product No.	Dimensions	1	10
211772	MK118	4.8"L x 3.3"W	\$21.95	\$19.95

Vallemen Universal Mono Pre-Amplifier ■ 17-piece kit

For audio applications with insufficient input signal.

- Output impedance: 1kΩ Max. input signal: 40mV
- Frequency range: 20Hz 20kHz +/-3dB
- Adjustable output level: 40dB max.

Requires: 10/30VDC @ 10mA power supply (recommend P/N 20626, pg 317)

Part No.	Product No.	Dimensions	1	10
117612	K1803	1.2"L x 1.8"W	\$8.95	\$7.95

vellemen 10 LED Mono VU Meter Kit 36-piece kit

- · Instant visualization of audio signal levels
- Easy hook up to a LINE level (LOW input) signal source
- · Special input (HIGH input) is provided, which allows direct connection to a speaker
- Frequency range: 20Hz to 30kHz
- · Dot or bar display mode selectable

Requires: 15VDC @ 300mA max. power supply (P/N 189982, pg 242)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147643	K4304	2.7"L x 1.4"H	0.3\$	16.99	\$15.99

7-Watt Amplifier Kit 22-piece kit

- Music output power: 7W @ 4Ω
- RMS output: 3.5W @ 4Ω & 2W @ 8Ω
- Harmonic distortion: 0.05% (1W/1kHz)
- Frequency response: 20 to 20kHz (-3dB)

· Short circuit/overload protection

Requires: 15VDC (8-18VDC) @ 500mA power supply (recommend P/N 155803, pg 242); speakers

Part No.	Product No.	Dimensions	1	10
127255	K4001	2.2"L x 1.4"W	\$13.95	\$12.49

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30-Watt Stereo Power Amplifier

38-piece kit

General purpose stereo amp for audio applications.

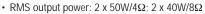
- RMS output: dual 15W @ 4Ω or dual 10W @ 8Ω
- Frequency bandwidth: 7Hz to 60kHz (-3dB)
- Separation: 70dB
- Supply voltage: 24VCT @ 2A (recommend P/N 101865, pg 245)

Part No.	Product No.	Dimensions	1	10
129138	K4003	2.8"L x 2.0"W	\$29.95	\$26.95

200W Mono/Stereo Amplifier 57-piece kit

Three keywords to describe this amplifier: universal—a stereo or a mono amplifier with three input sensitivity settings;

robust—overload and short-circuit protection against incorrect power supply polarity and thermal protection; and lastly compact.



- RMS mono-bridged power: $100W/8\Omega$
- Total music output: 200W
- · Harmonic distortion: 0.01% @ 1kHz
- · Signal to noise ratio: 102dB · Stereo channel separation: 85dB Input impedance: 22kΩ
- Input sensitivity: 300mV/550mV/1V switchable
- Power supply: ±28VDC

Part	lo. Product No	. Dimensions	1	10
6453	01 K4004B	8.3"W x 3.4"H x 2.5"D	\$91.15	\$89.75

Guitar Pre-Amplifier w/ Headphone Output ■ 34-piece kit

An electric guitar cannot be connected to just any amplifier or audio installation. This pre-amplifier has been designed for this purpose and provides you with a headphone output, allowing you to practice without disturbing others. Fitted with a special device for tone adjustment to create your own sound.

- Headphone output: 2 x 50mW/32Ω (max.)
 Sound adjustment Power supply: 9V battery (not included)
 - Adjustable input sensitivity

Part No.	Product No.	Dimensions 1	10
645327	K4102	4.1"L x 2.8"W X 1.2"H \$34.99	\$32.99

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Sound Generator Kit 61-piece kit

· Produces 10 different sounds w/ adjustable speed: guns, sirens, car engines, explosions, tunes, screeching tires, phaser guns

Push-button keyboard

Requires: 8Ω , 1 watt speaker; 9V battery (recommend P/N 151095, pg 250)

Part No.	Product No.	Dimensions	1	10
127562	K4401	2.8"L x 2.8"W	\$29.95	\$26.95

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RoHS Compliant Product RoHS Also Available



Siren Kit 20-piece kit

- · Oscillator is off until you press the switch, then a rising tone is produced until a steady value is reached If switch is released, tone starts dropping until it cuts off
- · Circuit designed around a dual op amp connected as an oscillator and driver

Requires: 9V battery (recommend P/N 151095, pg 250)

Part No.	Description	Dimensions	1	10
125137	9V siren	2.0"L x 0.8"W x 0.5"H	\$7.95	\$7.15

FM Stereo Transmitter Kit 45-piece kit

Transmit to any FM radio tunable from 88 to 108MHz. Compatible with any of your audio system components. Plug in your CD player or tape deck and have a wireless link to any FM radio. Even transmit music from your computer to any FM Radio. Clarity is excellent; approx. 40dB stereo separation. Transmits up to 200 ft. (Does not include enclosure.)

6627/11	EMC 2000	\$54.05	\$16.16
Part No.	Product No.	1	10

Radio Direction Finder Kit A 69-piece kit

A direction finder antenna that connects to any UHF/VHF Ham Radio or Scanner; great for finding hidden transmitters that are raising

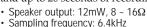


havoc with your repeater. Tune your radio to the frequency of the transmitter you are trying to locate (from 140MHz to 500MHz); you will hear a tone and the transmitter modulation at the same time. To further check your progress, the signal level meter of the radio should rise.

Part No.	Product No.	11	10
662733	SDF-1	. \$44.95	\$40.46

Electronic Record/Playback Module 64-piece kit

High-quality, natural voice/audio reproduction. Can be used to greet visitors, play pranks, or warn off burglars. EEPROM technology with 100-year message retention, and up to 20 seconds of recording time per module.





Power supply: 8 - 18VDC or 6V battery (4 AA or AAA not included)

Part No.	Product No.	Dimensions	1	10
645335	K8030	3.7"L x 2.9"W X 1.0"H	\$33.85	\$29.59

Relay Card 29-piece kit

Connecting a number of relays to the outputs of an electronic network may seem very simple, but in reality it could create some problems regarding the cabling. This kit provides an attractive and compact alternative. Easy to assembly and can be connected instantly. 4 x 3A relay outputs

Requires: 9VDC @ 300mA power supply (recommend P/N 133891, pg 241)

Part No.	Description	Dimensions	1	10
239476	Relay card kit	3.0"L x 2.7"W	\$19.99	\$18.99

USB Interface Card Module

Interface board has 5 digital input channels and 8 digital output channels. In addition, there are two analog inputs and two analog outputs with 8-bit resolution. Inputs/outputs can be expanded by connecting more cards to the PC's USB port (max. of four).

Diagnostic/Test Software

- Separate output/input test Analog input bar-graph indication
- · Clear all/set all function · Analog output set sliders
- Counter function on inputs 1 and 2 with adjustable debounce

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Part No.	Description 1	10
645263	USB interface card module\$65.55	\$64.49

200W Power Amplifier Module

- Fully discrete design using epitaxial Darlington transistors
- DC supply circuit on board with LED indication
- Ideal for active speaker system or subwoofer, guitar amp, home theatre systems, instrument amp, etc.
- Comes fully adjusted and tested
- Overload and short-circuit protection
- 200W music power @ 4Ω load
- 70Wrms power @ 8Ω load
- Distortion: 0.02% @ 1kHz/10W

- Signal to noise ratio: 115dB • Frequency response: 3Hz to 200kHz (-3dB) • Sensitivity: 0.6Vrms
- Power supply: 25-30VAC, 120VA • PCB dimensions: 107x62mm (approx.) Recommended power transformers: 230VAC input, 2 x 30VAC output; 115/230VAC input, 2 x 25VAC output

Part No.	Product No.	Dimensions	1	10
645239	VM100	4 2"I x 2 4"\N	\$66.05	\$64 99

Wide Band Amplifier Kits

662750: 7-pieces

- 1MHz to 1.5GHz, 7.5dB NF
- 1dB compression = +11dBm
- Gain: 1MHz 8dB to 1.5GHz 5dB
- · Power requirements: 12VDC @ 50mA

662768: 7-pieces

- 1MHz to 2.5GHz, 2.8dB NF
- 1dB compression = 0dBm
- Gain: 1MHz 20dB to 2.5GHz 6dB

662784: 11-pieces

- Gain: 4MHz 29dB to 1.9GHz 17dB · Power requirements: 12VDC @ 56mA
- Power requirements: 12VDC @ 6mA

• 100Wrms power @ 4Ω load

• Damping factor: >800

- · 4MHz to 1.9GHz, 3dB NF
- 1dB compression = +8dBm

Part No.	Product No.	Dimensions	1	10
662750	WBA4	1.2"L x 0.8"W	\$14.95	\$13.46
662768	WBA6	1.2"L x 0.8"W	19.95	17.96
662784	WBA64	2.5"L x 0.8"W	29.95	26.55

Audio Stereo Amplifier Kit 32-piece kit

This kit teaches how amplifiers take a small signal and amplify it to drive two small speakers or headphones. Provides up to 1-Watt of low-distortion audio power. The harmonic distortion is 0.2% and the voltage gain is up to 46dB.



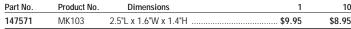
Part No.	Product No.	Dimensions	1	10
662670	EBST-11	2.8"L x 2.3"W	\$9.95	\$8.96

Valieman Voice Activated LEDs Kit ■ 33-piece kit Uses sound to activate the flashing

of 4 bright red LEDs.

- · Power consumption: 0.5mA min./12mA max
- Adjustable sensitivity

Requires: 8-15VDC power supply (P/N 100095, pg 241) or 9VDC battery (P/N 151095, pg 250)

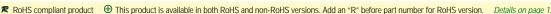


Universal Relay Controller Card Kit A 64-piece kit

An electronic controller that switches higher currents while providing insulation between the controller and the controlled devices.

- · 8 channels expandable to 16 using 8 each P/N 144186 Relay output: maximum 5A/220VĂC
- TTL or 5V CMOS inputs (recommend P/N 34315, pg 31)
- Contact voltage: 12VDC @ 250mA Requires: 220 or 125VAC power source







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Parking Radar Kit 55-piece kit

Parking in tight places can be difficult, but this unit can tell you when you have come within an adjustable preset distance of the object near you.

Detection range: 5cm – 1.5m; angle: 5°

· Transmitter frequency: 40kHz

PCB size: base (4.9"L" x 1.9"W) sensor (3.8"L x 1.1"W)

Requires: 10-15VDC @ 16mA max (recommend P/N 100095, pg 241) or auto power plug (recommend P/N 115002, pg 162)

Part No.	Product No.	1	10
129120	K3502	\$39.95	\$34.95

vellemen

3-Channel Light Organ Kit 80-piece kit

Add a 3-channel dancing light display to your music. Each channel displays a different range of sound.

· Frequency ranges are adjustable

 Microphone input Maximum load 2A per channel

· Each output has individual sensitivity control



IR LED Illuminator Kit 041-piece kit

· 36 high powered infrared LEDs

At 24' the beam is approximately 3.5' across

Improve low-light camcorder and CCD

camera images without visible light

Requires: 12-15VDC power supply (recommend P/N 114825, pg 241)

Part No.	Description	Dimensions	1	10
157964	IR illuminator kit	2" Dia	\$16.95	\$12.71

Stop Light Controller Kit 36-piece kit

This kit will simulate the operation of red, yellow, and green traffic lights. Applications such as model train displays, three way traffic intersections, dancing light in a party room, and other countless applications. If you would need to control larger

lamps you can connect a relay or an I/O module to each output. Red, yellow and green LEDs included • Power requirements: 7.5 to 18VDC

Part No. Cross Ref. No 662709 2.8"L x 2.3"W \$17.95 \$16.16

Senix« **Distance Sensor Modules**

Sends out a sound wave 20 times per second and calculates the distance based on the time differential between sent and echoed signals. The distance is represented by an output voltage from 0 to 10VDC (P/N 134105) or RS-232 signal (P/N 151482).



Sensor diameter: 1.8"

Board size: 2.8"L x 1.8"W x 0.9"H

One-year warranty

Requires: 15 to 24VDC @ 40mA (not included), recommend P/N 114825, pg 241

134105: • Output voltage: 0-10VDC

• Each 1VDC increment = 5.6" (e.g.: 1VDC output = 9.6")

151482: • RS-232 output

Includes: Software diskette and computer cable

Part No.	Description	Wt. (lbs.)	1	10
134105	Sensor – voltage output	0.2	\$159.95	\$143.95
151482	Sensor – RS-232 output	1.0	179.95	161.95

vellemen

Metal Detector 22-piece kit

· Proximity range adjustable to 8cm

Size: 2.1"L x 2.1"W

· LED indicator; can use with a buzzer

Requires: 9V battery (recommend P/N 151095, pg 250)

1714 1310	75, pg 250)		-	
Part No.	Product No.	Description	1	10
129091	K7102	Metal detector	\$11.95	\$8.96

Quantity SAVE



Scrolling Message Kit 76-piece kit

Create your own scrolling message with this 35-LED graphic display kit. Press "SET" to change a particular character, "UP or DOWN" arrow to select the character, and end your scrolling message with the "<" character.

· 35-LED display Maximum 16 characters

Requires: 9 to 12VDC @ 20mA (recommend P/N 100845, pg 241)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
200310	MK124	3.5"L x 2.6"W x 1.8"H	0.2	\$24.95	\$22.45

Moving Message Board

Ideal for advertisements and meetings. Two scrolling speeds and memory backup power (up to 3 months). Max. 600 characters can be programmed.



• 1.25" dot matrix LED display

· 10 characters wide display

Large memory capacity: 4 messages + 1 alarm message

Alarm message is activated by N.O. switch • Select fast or slow scrolling speed Memorized data are saved by backup battery (2 x AAA-batteries)

Power supply: 12VDC/500mA adapter included · Low-battery indicator

Part No.	Product No.	Dimensions (external/display) 1	5
645474	MML-10	11.8"L x 3.5"W x 2.8"H/10.8"L x 1.4"H \$151.95	\$144.35

খন্ত্রীব্রমাজে Flashing LED Sweetheart Kit 📘 46-piece kit

This kit shows a beating heart. Great for decorations!

· Power consumption: 8mA

Requires: 8 to 15VDC wall transformer (P/N 100095, pg 241) or 9VDC battery (P/N 151095, pg 250)

Part No. Product No. Dimensions 147555 MK101 2.5"L x 2.4"W x 1.2"H 0.1 \$11.95 \$10.95

velkemen

Flashing LED Kit 23-piece kit

Activates 2 flashing LEDs for applications such as model building. Flashing speed controlled by potentiometers.

• 5.5" wire w/ 9V battery connector

· Consumption: 4mA min.

Requires: 9VDC battery (P/N 151095, pg 250)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147580	MK102	1.3"L x 1.4"W x 0.6"H	0.1	\$7.95	\$7.19

2-Digit Serial LED Display w/ Interface Kit 46-piece kit Bright, red jumbo-sized 7-segment displays (57mm)

Up to 255 units can be separately addressed

Power supply: 9-12VDC @ 120mA per display

• RS-232 interface: 2400 baud/8 data bits/no parity/one stop bit Can be linked to create large readout for score-keeping, timing and counting

Part No **Dimensions** 645221 2-digit serial LED kit 2.9"L x 2.3"W x 1.3"H \$47.29 \$43.31

Fiber Optic Lab Kit

Kit contains nine fiber optic experiments and all the electronic components needed.

Fiber optic cable transmission

Characteristics of connectors and splices

· Speed of opto-electronic devices

Making a light guide

· Index-matching procedures

· Weight: 0.7 lbs.

Receiver design

Fiber optic transmitter

Fiber termination techniques

10 169914 \$41.39

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost!





134105

See next page for Ordering Information

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PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us for obtaining open account status.

C.O.D.

Personal checks are accepted. Please add \$7.50 per C.O.D. order. Include the name and address of your bank and your account number.

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All foreign orders must be prepaid with a credit card (see approved credit cards above), wire transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment.

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SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error may be subject to a restock fee. Call our customer service department at 1-800-536-4316 or visit www.Jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted, and no freight collect packages will be accepted. A completed Jameco customer service form, located on the back of the packing slip, must be included with your return. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

Limitation of Liability

Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

5 EASY WAYS TO ORDER

Telephone: Toll-Free 24 hours a day!



1.800.831.4242International orders, call 1.650.592.8097

Toll-Free FAX:

US/Canada: 1.800.237.6948 Brazil: 000·817·455·6119 Colombia: 980-9-136748 Indonesia: 1.803.015.237.6948 Mexico: 001.800.593.1449 New Zealand: 080·044·0470 Other Countries: 1.650.592.2503

Online:

http://www.Jameco.com



On-line catalog! Our complete offering of products is searchable on the Jameco website!

Mail:

E-mail your order to: sales@Jameco.com or fill out the order form (previous) and

In-Person: Visit Jameco at 1355 Shoreway Rd., Belmont, CA. Will-call office hours are 8:00 a.m. – 5:00 p.m. Monday - Friday.

CONTACT INFORMATION

The following services are available at 1-650-592-8097 Monday - Friday from 6:30 a.m. - 5.00 p.m. PST or via e-mail:

- International Sales (international@ Jameco.com)
- Customer Service (custservice@ Jameco.com)
- Credit Department (<u>credit@ Jameco.com</u>)
- Technical Support (<u>tech@ Jameco.com</u>)

Toll-Free Hotline!

Please call us at 1-800-831-4242.

POLICIES

Confirming Orders

Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A \$5.00 processing fee will be added to U.S. orders under \$25.00. This fee will be waived on web orders. All international orders below \$40.00 will incur a \$7.50 processing fee.

PRICES

Prices are effective 01-08-07. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

Rohs Compliance

Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status.

SHIPPING INFORMATION



Guaranteed Delivery	Time for UPS Gro	ound (Business Days)	
1 day	2 days	3 days	
4 days	6 days	6 days	

Orders received Mon.-Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth \$5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

Shipping delivery times are based on working days. Sorry we are unable to ship products mailed from an alternate warehouse via C.O.D. or U.S.P.S.

Commercial Destination	First 2 lbs.	Ea. Added lb.
Ground	\$6.49	\$0.79
3-Day	\$9.95	\$1.69
2-Day	\$13.95	\$2.49
Next Day	\$35.95	\$3.99
Residential Destination	First 2 lbs.	Ea. Added lb.
Ground	\$6.49	\$0.79
3-Day	\$11.95	\$1.69
3-Day 2-Day	\$11.95 \$15.95	\$1.69 \$2.49

Priority Mail (USPS)

\$5.95 for 1st lb.; \$1.49 for each additional lb. Order must be placed before 5:00 p.m. Eastern Standard Time to ship same day.

Packaging Weight

For domestic orders, exact package weight will be measured at shipment and separately billed.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.



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Prototyping Boards

The only prototyping system that allows one to work on one circuit block at a time, test the blocks individually, and then connect the blocks together. This is why the system is called "Electronic Circuit Building Blocks.



Part No.

1537580

Thru Hole Boards









153	7723	1537635	1537660	1537686
e Boards	See pa	ges 309 – 310	for more Proto B	oards
Product No.	Description			Price
201-0001-01	0.1" center spa	acing w/ 0.5" offse	et, 12 ground holes	\$5.49

Discrete	C	N // A	D
IIISCRATA	NIITTACE	MININT	KNATAS
DISCICIO	Juliacc	Wibaiit	Doarus

1537715	202-0034-01	0201/0603/0805/1206/1210/1608/1812/ 2010/2512 discrete SMT in case size A/B/C	\$10.99
1537723	202-0035-01	SOT23-3/5/6/SC70-5/6/DPAK/D2PAK/SOT223/T0263-7/ SOT89/0805/1206 discrete in case size A/B/C/D/E	10.99

SO/SOP Boards

1537635	202-004-01	4-56-pin SOIC w/ 0.05" pitch, 0603 and thru hole components, 12 ground holes	\$10.99
1537643	202-0007-01	Up to 72-pin SO/SOP/QSOP/SSOP/TSSOP/PSSOP w/ 0.5mm pitch, 0603 & 0805 discrete, 6 ground holes	10.99

QFP Boards

1537651	202-0009-02	Up to 64 pins QFP, TQFP, PQFP w/ 0.8mm pitch	
		& 0603 discrete, 22 ground holes	\$10.99
1537660	202-0011-01	32-100 pins QFP, TQFP, PQFP w/ 0.5mm pitch	
		& 0603 discrete, 6 ground holes	10.99

CHIPSCALE (QFN) Boards

1537678	202-0016-01	Supports 12-24 pins w/ 0.5mm & 0.65mm pitch	\$10.99
1537686	202-0017-01	Supports 10 & 32 pin w/ 0.5mm pitch	10.99
1537694	202-0018-01	Supports 8 & 48 pin w/ 0.5mm pitch	10.99
1537707	202-0020-01	Supports 64 pin w/ 0.5mm pitch	10.99

Thru Hole I/O and Power Board

1537598 201-0100-01 Power & ground strip \$2 1537601 201-0104-01 DB-25 connector 2 1537619 201-0105-01 JTAG 20-pin w/ 0.1" spacing & IEEE 1394 2 1537627 201-0106-01 RGB HD-DB15, 4 ground holes 2 1537803 201-0101-01 Drive power conn. & power jack, 12 ground holes 2 1537811 201-0102-01 ATX power connector, 10 ground holes 2 1537820 201-0108-01 RJ11 or RJ45 & one USB-B conn., 8 ground holes 2	1 aaaaaariaa		
1537601 201-0104-01 DB-25 connector 2. 1537619 201-0105-01 JTAG 20-pin w/ 0.1" spacing & IEEE 1394 2. 1537627 201-0106-01 RGB HD-DB15, 4 ground holes 2. 1537803 201-0101-01 Drive power conn. & power jack, 12 ground holes 2.	537820 201-0108-01 RJ11 or	RJ45 & one USB-B conn., 8 ground holes	2.75
1537601 201-0104-01 DB-25 connector 2. 1537619 201-0105-01 JTAG 20-pin w/ 0.1" spacing & IEEE 1394 2. 1537627 201-0106-01 RGB HD-DB15, 4 ground holes 2.	537811 201-0102-01 ATX pov	ver connector, 10 ground holes	2.75
1537601 201-0104-01 DB-25 connector 2. 1537619 201-0105-01 JTAG 20-pin w/ 0.1" spacing & IEEE 1394 2.	537803 201-0101-01 Drive por	wer conn. & power jack, 12 ground holes	2.75
1537601 201-0104-01 DB-25 connector	537627 201-0106-01 RGB HD	-DB15, 4 ground holes	2.75
	537619 201-0105-01 JTAG 20	0-pin w/ 0.1" spacing & IEEE 1394	2.75
1537598 201-0100-01 Power & ground strip\$2.	537601 201-0104-01 DB-25 c	onnector	2.75
	537598 201-0100-01 Power 8	k ground strip	\$2.75

Accessories

1537740	920-0005-01	10 pcs. 22AWG 3" jumper wires & 20-pin headers	\$5.49
1537758	920-0006-01	10 pcs. 22AWG 5" jumper wires & 20-pin headers	5.49
1537766	920-0007-01	10 pcs. 22AWG 7" jumper wires & 20-pin headers	5.49
1537774	920-0008-01	100 pcs. 22AWG 3" jumper wires	41.89
1537782	920-0009-01	100 pcs. 22AWG 5" jumper wires	41.89
1537791	920-0010-01	100 pcs. 22AWG 7" jumper wires	41.89

SCHMART MODULE Operates on a single 5V power source, ESD protected in excess of 15KV on all I/O lines, 4 LED's (2TRX & 2RCX), pre-installed headers for transceiver lines, +5V, & ground.

Part No.	Product No.	Price
1537731	710-0001-01	\$16.55

EconoCinch & EconoCinch EG Rip-Ties

The loop lock acts like a pulley, giving you leverage to pull the strap as tight as needed. The non-metallic buckle is safe to use around electrical and magnetic equipment. The EconoCinch EG has a solid brass



gromme	et with an ID of $1/4$ ".	See page 111 for more RipTies		
Part No.	Description	See page 111 for more Rip Hes	1	10
744691	3/4"W x 18"L, black, 5-pa	ack %	\$10.69	\$10.45
746081	3/4"W x 36"L, black, 5-pa	ack 🗷	. 13.65	13.35
748588	3/4"W x 7"L, black, 5-pag	ck %	8.69	8.49
749951	3/4"W x 10"L, black, 5-pa	ack 🗷	9.65	9.45

Example 2 Universal 48-Pin USB Programmer

 Supports 7,000+ devices including the latest NAND flash memory, standard flash memory, EPROM, EEPROM, serial PROM & microcontrollers

· Device programming speed: 1.5M-bit per second

Low voltage supports 5, 3.3, 3, 2.7, 2.5, 1.8V programming voltages

Blank check/program/verify 4M-bit flash memories in 85 sec. Supports ASCII, Intel HEX, Motorola S, Tektronix HEX, JEDEC & HOF file formats Weight: 3.5 lbs.

 User-friendly menu driven iram, verify, blank check, erase, gang programming mode, edit & set programming options via host PC

Independent start key in each socket

Input voltage: 100-240VAC @ 50-60Hz

Size: 10.6"W x 3.8"D x 2.5"H

See pages 310 – 312 for more Programmers

Includes: USB cable, CD-ROM software & users manual

System requirements: 386/486/Pentium® or compatible, USB 1.1 or 2.0, 4MB hard disk space, 16MB RAM, Windows® 95/98/ME/2000/NT/XP operating system

Part No.	Product No	1	5
694891	PROMAX-4G	\$2,150.05	\$2,042.50
694882	TM-8G-DP (8-gang adapter)	325.05	308.75

See pages 4 – 6 for more MCUs

MCUs DIP TO DIP SOIC PLCC TSSOP Part No. Product No Description 10

10	Description	Pkg.	Product No.	Part No.
\$1.64	128 x 8 RAM ROMIess, LV (2.7V-5.5V), LP, hi-speed (16MHz)\$1.69	PQFP-44	P80C31SBBB ₹ ♠	854541
2.00	128/256 byte RAM ROMless LV (2.7V-5.5V), LP, hi-speed (33MHz), I-temp 2.25	PLCC-44	P80C32UFAA ₹ ♠	917337
1.97	128/256 byte RAM ROMless LV (2.7V-5.5V), LP, hi-speed (33MHz) 2.05	PQFP-44	P80C32UFBB ₹ ♠	917361
4.80	8-bit MCU, ROMLESS, LV (2.7V-5.5V), LP, hi-speed (16MHz) 4.95	PLCC-44	P80C51FA-4A ₹ ♠	854575
11.40	8-bit, single chip w/ 10-bit A/D, timer, hi-speed (16MHz), I-temp 11.75	PLCC-68	P80C552EFA ₹ ♠	854604
11.82	8-bit, single chip w/ 10-bit A/D, timer, hi-speed (24MHz), I-temp 12.19	PLCC-68	P80C552IFA ₹ ♠	854639
16.68	8-bit single chip, 3.5MHz - 16MHz, I-temp 17.19	PQFP-80	P80C557E4FB ₹ ♠	854655
17.94	8-bit w/ on-chip CAN, 1.2MHz - 16MHz, w/o ROM, I-temp 18.49	PLCC-68	P80C592FFAA ₹ ♠	854680
5.90	8-bit, 8k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (16MHz) 6.09	PLCC-64	P87C51FA-4A ₹ ♠	854719
6.52	8-bit, 3k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (0-16MHz) 6.75	PLCC-44	P87C51FA-5A 2 ♠	854743
7.39	8-bit w/ extended memory, 64kB/96Kb OTP w/ 2kB/3kB RAM 7.85	PLCC-44	P87C51MB2BA/02-S ₹	854778
4.17	8-bit, 3k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (0-16MHz) 4.29	PLCC-44	P87C51RA+4A ₹ ♠	854807
4.17	8-bit, 8k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (33MHz) 4.29	PLCC-44	P87C51RA+IA ₹ ♠	854831
5.86	8-bit, 32k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (16MHz) 6.05	PLCC-44	P87C51RC+4A ₹ ♠	854866
8.29	8-bit, 64k x 8 OTP, LV (2.7V-5.5V), LP, hi-speed (16MHz) 8.55	PLCC-44	P87C51RD+4A ₹ ♠	854882
2.76	8-bit, 4k/8k OTP/ROM, 128/256 B RAM, LV (2.7V-5.5V), LP, hi-speed, (16MHz) 2.85	QTP-44	P87C52SBBB♣	854903
15.54	8-bit, 16k/512 OTP/RAM, 8-ch, 10-bit A/D, I2C PWM, (16MHz), I-temp 15.99	PLCC-68	P87C554SFAA	854938
9.05	Single chip 8-bit w/ CAN controller 9.59	PLCC-44	P87C591VFAA ₹ ♠	854962
1.87	LP w/ 2kB OTP, 20MHz (5V) / 10MHz (3V) 1.95	SOIC-20	P87LPC762BD ₹♠	917409
2.01	LP w/ 4kB OTP, 20MHz (5V) / 10MHz (3V) 2.09	SOIC-20	P87LPC764BDH ₹♠	854997
4.88	LP w/ 4kB OTP, 8-bit A/D & DAC, 20MHz (5V) / 10MHz (3V) 5.05	SOIC-20	P87LPC769HD ₹ ♠	855025
7.44	8-bit, 16kB ISP/IAP flash, 512B RAM, 20MHz - 33MHz 7.69	LQFP-44	P89C660HBBD ₹ ♠	855050
8.81	8-bit, 32kB ISP/IAP flash, 1kB RAM, 20MHz - 33MHz 9.09	PLCC-44	P89C662HBA ₹ ♠	855092
11.26	8-bit, 64kB ISP/IAP flash, 2kB RAM, 20MHz-33MHz, I-temp 11.59	PLCC-44	P89C664HFA ₹ ♠	855121
11.19	8-bit, 64kB ISP/IAP flash, 2kB RAM, 20MHz-33MHz, I-temp 11.55	LQFP-44	P89C664HFBD ₹ ♠	855156
10.90	8-bit, 64kB ISP/IAP flash, 8kB RAM 11.25	PLCC-44	P89C668HBA ₹ ♠	855181
5.17	8-bit, 5V LP, 32kB flash, 1kB RAM, I-temp 5.49	PLCC-44	P89V51RC2FA	855210
5.98	8-bit, 5V LP, 64kB flash, 1kB RAM, I-temp 6.35	PLCC-44	P89V51RD2FA ₹ ♠	855252
6.09	8-bit, 5V LP, 64kB flash, 1kB RAM, I-temp 6.29	TQFP-44	P89V51RD2FBC ₹ ♠	855279
1.57	6 8-bit I2C & SMBUS I/O port w/ 2kbit EEPROM, I-temp 1.95	TSSOP-16	PCA9500PW ₹ ♠	917441
1.67	O 8-bit I2C & SMBUS I/O port w/ 2kbit EEPROM & 6 address pins, I-temp 1.65	TSSOP-20	PCA9501PW ₹ ♠	917476
1.22	4 16-bit I2C & SMBUS, LP I/O port w/ interrupt, I-temp 1.55	TSSOP-24	PCA9535PW ₹♠	855308
1.37	6 8-bit I2C LED driver w/ programmable blink rates, I-temp 1.69	TSSOP-16	PCA9551PW ₹ ♠	917505
1.76	4 8-bit I2C bus LED driver w/ programmable blink rates 2.19	TSSOP-24	PCA9552PW ₹ ♠	917530
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1.29	6 8-bit I2C & SMBUS I/O port w/ interrupt, I-temp 1.59	TSSOP-16	PCA9554APW ₹ ♠	855367
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1.25	6 8-bit I2C & SMBUS I/O port w/ interrupt, I-temp 1.29	TSSOP-16	PCA9557PW ₹ ♠	917599
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